



National Toxicology Program  
Department of Health and Human Services

# NTP Historical Controls Report

By Route and Vehicle

F 344/N RATS

May 2011

# REPORT DESCRIPTION

This report shows the tumor rates of control group animals from selected studies. The studies used are shown on the Study Summary page.

This report is broken up into sections based on the route and vehicle used to deliver the chemical. The Table of Contents on Page 3 shows the different Route/Vehicle combinations. To see the data from all routes and vehicles combined into one set, you must run the "All Routes" report.

The individual tumor rates shown on the data pages of the report relate to the Study Summary page as follows: the tumor rates are shown in the same order as the Study Summary page, except that they are grouped horizontally in sets of three, with the males in the first set of three and the females in the second set. For example if the study summary showed the studies like this:

**Male**

M1  
M2  
M3  
M4  
M5

**Female**

F1  
F2  
F3  
F4  
F5

the data would be shown as:

<b>Male</b>			<b>Female</b>		
M1	M2	M3	F1	F2	F3
M4	M5		F4	F5	

Directly beneath the individual tumor rates on the data pages are the overall totals for that tumor/site combination. This includes the total tumors/animals, the overall mean (in parentheses), the mean of the study means, and the standard deviation of the study means.

Studies with no control animals of a particular gender are listed on the summary page with the Number of Animals shown as zero and the Start Date and Length of Study shown as "N/A". On the data pages there are blank spaces where tumor rates for these studies would normally be found, so that the male and female rates for the remaining studies can be easily compared.

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Version: May2011  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F 344/N  
Length of Study: CHRONIC

**Toxicology Data Management System**  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: CORN OIL

Page: 4  
Report Date: 05/18/2011

**Study Summary**

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
<b>Male</b>							
Battelle Columbus Laboratory	059903103	03/23/05	727	50(3)	38(706)	512.7	Ginkgo biloba extract
Battelle Columbus Laboratory	058810503	04/22/02	729	50(3)	35(702)	521.9	Isoeugenol
Battelle Columbus Laboratory	052000705	08/18/04	727	49(3)	34(692)	515.2	Kava kava extract
Battelle Columbus Laboratory	059902303	03/25/02	729	50(3)	29(683)	501.9	beta-Myrcene
Battelle Columbus Laboratory	052010703	10/20/04	727	50(3)	37(702)	503.5	N,N-Dimethyl-p-toluidine
Battelle Columbus Laboratory	059902005	04/09/03	727	50(3)	39(685)	514.9	Pulegone
<b>Female</b>							
Battelle Columbus Laboratory	059903103	03/24/05	728	50(5)	37(700)	350.7	Ginkgo biloba extract
Battelle Columbus Laboratory	058810503	04/23/02	730	50(5)	33(699)	339.3	Isoeugenol
Battelle Columbus Laboratory	052000705	08/19/04	728	50(5)	34(683)	354.3	Kava kava extract
Battelle Columbus Laboratory	059902303	03/26/02	730	50(5)	31(668)	323.8	beta-Myrcene
Battelle Columbus Laboratory	052010703	10/21/04	728	50(5)	33(704)	354.1	N,N-Dimethyl-p-toluidine
Battelle Columbus Laboratory	059902005	04/10/03	728	50(5)	31(682)	341.2	Pulegone

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

		Male			Female		
<b>#All Organs:</b>							
<b>Benign Tumors</b>							
		50/50 (100%)	49/50 (98%)	49/49 (100%)	47/50 (94%)	41/50 (82%)	43/50 (86%)
		49/50 (98%)	48/50 (96%)	47/50 (94%)	40/50 (80%)	46/50 (92%)	42/50 (84%)
<b>Overall Incidence</b>	Total	292/299 (97.66%)	Mean 97.67%	SD 2.34%	Total	259/300 (86.33%)	Mean 86.33% SD 5.57%
.....							
<b>#All Organs:</b>							
<b>Malignant Tumors</b>							
		13/50 (26%)	29/50 (58%)	17/49 (35%)	12/50 (24%)	18/50 (36%)	11/50 (22%)
		23/50 (46%)	20/50 (40%)	10/50 (20%)	11/50 (22%)	23/50 (46%)	8/50 (16%)
<b>Overall Incidence</b>	Total	112/299 (37.46%)	Mean 37.45%	SD 13.75%	Total	83/300 (27.67%)	Mean 27.67% SD 11.13%
.....							
<b>#All Organs:</b>							
<b>Malignant and Benign Tumors</b>							
		50/50 (100%)	50/50 (100%)	49/49 (100%)	49/50 (98%)	46/50 (92%)	46/50 (92%)
		50/50 (100%)	49/50 (98%)	47/50 (94%)	45/50 (90%)	49/50 (98%)	44/50 (88%)
<b>Overall Incidence</b>	Total	295/299 (98.66%)	Mean 98.67%	SD 2.42%	Total	279/300 (93%)	Mean 93% SD 4.15%
.....							
<b>#All Organs:</b>							
<b>Hemangioma</b>							
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33% SD 0.82%
.....							
<b>#All Organs:</b>							
<b>Hemangiosarcoma</b>							
		0/50 (0%)	1/50 (2%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	2/300 (0.67%)	Mean 0.67% SD 1.63%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>#All Organs:</b>									
<b>Hemangiosarcoma or Hemangioma</b>									
		0/50 (0%)	1/50 (2%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	2/50 (4%)	
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	3/300 (1%)	Mean 1%	SD 1.67%	
.....									
<b>#All Organs:</b>									
<b>Histiocytic Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Leukemia: Erythrocytic</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>									
		9/50 (18%)	10/50 (20%)	7/49 (14%)		8/50 (16%)	8/50 (16%)	5/50 (10%)	
		9/50 (18%)	14/50 (28%)	4/50 (8%)		5/50 (10%)	15/50 (30%)	4/50 (8%)	
<b>Overall Incidence</b>	Total	53/299 (17.73%)	Mean 17.71%	SD 6.59%	Total	45/300 (15%)	Mean 15%	SD 8.07%	
.....									
<b>#All Organs:</b>									
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>									
		0/50 (0%)	0/50 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.04%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>#All Organs:</b>									
<b>Mesothelioma: Benign</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Mesothelioma: Benign, Malignant, NOS</b>									
		3/50 (6%)	3/50 (6%)	3/49 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)	1/50 (2%)	2/50 (4%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	14/299 (4.68%)	Mean 4.69%	SD 1.65%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	
.....									
<b>#All Organs:</b>									
<b>Mesothelioma: Malignant</b>									
		3/50 (6%)	3/50 (6%)	3/49 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)	1/50 (2%)	2/50 (4%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	14/299 (4.68%)	Mean 4.69%	SD 1.65%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	
.....									
<b>#All Organs:</b>									
<b>Osteoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Osteosarcoma</b>									
		0/50 (0%)	2/50 (4%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	5/299 (1.67%)	Mean 1.67%	SD 1.51%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route:** GAVAGE  
**Vehicle:** CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>#All Organs:</b>									
<b>Osteosarcoma or Osteoma</b>									
		0/50 (0%)	2/50 (4%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	5/299 (1.67%)	Mean 1.67%	SD 1.51%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Cortex:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	1/50 (2%)	2/50 (4%)		0/50 (0%)	3/50 (6%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	4/299 (1.34%)	Mean 1.33%	SD 1.63%	Total	3/300 (1%)	Mean 1%	SD 2.45%	
.....									
<b>*Adrenal Cortex:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.34%	SD 0.83%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Ganglioneuroma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Benign</b>									
		11/50 (22%)	5/50 (10%)	5/49 (10%)	2/50 (4%)	2/50 (4%)	3/50 (6%)		
		11/50 (22%)	6/50 (12%)	8/50 (16%)	1/50 (2%)	2/50 (4%)	3/50 (6%)		
<b>Overall Incidence</b>	Total	46/299 (15.38%)	Mean 15.37%	SD 5.57%	Total	13/300 (4.33%)	Mean 4.33%	SD 1.51%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Complex</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Malignant</b>									
		2/50 (4%)	3/50 (6%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	8/299 (2.68%)	Mean 2.67%	SD 2.42%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma: Benign, Complex, Malignant, NOS</b>									
		12/50 (24%)	7/50 (14%)	5/49 (10%)	2/50 (4%)	2/50 (4%)	3/50 (6%)		
		13/50 (26%)	8/50 (16%)	8/50 (16%)	1/50 (2%)	2/50 (4%)	3/50 (6%)		
<b>Overall Incidence</b>	Total	53/299 (17.73%)	Mean 17.7%	SD 6.07%	Total	13/300 (4.33%)	Mean 4.33%	SD 1.51%	
.....									
<b>#Bone:</b>									
<b>Chordoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: GAVAGE**  
**Vehicle: CORN OIL**

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 Report Date: 05/18/2011

		Male				Female			
<b>#Bone:</b>									
<b>Osteoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Bone:</b>									
<b>Osteosarcoma</b>									
		0/50 (0%)	2/50 (4%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	5/299 (1.67%)	Mean 1.67%	SD 1.51%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Bone:</b>									
<b>Osteosarcoma or Osteoma</b>									
		0/50 (0%)	2/50 (4%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	5/299 (1.67%)	Mean 1.67%	SD 1.51%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Astrocytoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Ependymoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

Page: 11  
 Report Date: 05/18/2011

		Male				Female			
<b>*Brain:</b>									
<b>Ependymoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Glioma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Glioma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Glioma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Granular Cell Tumor Benign</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route:** GAVAGE  
**Vehicle:** CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>*Brain:</b>									
<b>Oligodendroglioma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma Malignant</b>									
		0/50 (0%)	1/50 (2%)	0/49 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>									
		0/50 (0%)	1/50 (2%)	0/49 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/299 (1%)	Mean 1%	SD 1.1%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>*Brain:</b>									
<b>Osteosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

Page: 13  
 Report Date: 05/18/2011

		Male				Female			
<b>*Clitoral/Preputial Gland:</b>									
<b>Adenoma</b>									
		4/50 (8%)	2/50 (4%)	0/49 (0%)		5/50 (10%)	3/48 (6%)	2/50 (4%)	
		5/50 (10%)	0/50 (0%)	3/50 (6%)		7/50 (14%)	5/50 (10%)	3/50 (6%)	
<b>Overall Incidence</b>	Total	14/299 (4.68%)	Mean 4.67%	SD 4.13%	Total	25/298 (8.39%)	Mean 8.38%	SD 3.64%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	2/50 (4%)	1/49 (2%)		0/50 (0%)	2/48 (4%)	2/50 (4%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	4/299 (1.34%)	Mean 1.34%	SD 1.64%	Total	4/298 (1.34%)	Mean 1.36%	SD 2.11%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		4/50 (8%)	4/50 (8%)	1/49 (2%)		5/50 (10%)	5/48 (10%)	4/50 (8%)	
		5/50 (10%)	0/50 (0%)	4/50 (8%)		7/50 (14%)	5/50 (10%)	3/50 (6%)	
<b>Overall Incidence</b>	Total	18/299 (6.02%)	Mean 6.01%	SD 3.99%	Total	29/298 (9.73%)	Mean 9.74%	SD 2.67%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/48 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%	
.....									
<b>#Ear:</b>									
<b>Neural Crest Tumor</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route:** GAVAGE  
**Vehicle:** CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>#Esophagus:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Eye:</b>									
<b>Melanoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Eye:</b>									
<b>Melanoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Eye:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Harderian Gland:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>#Harderian Gland:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Harderian Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Heart:</b>									
<b>Schwannoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>*Heart:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Duodenum:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Duodenum:</b>									
<b>Leiomyoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Duodenum:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

Page: 17  
 Report Date: 05/18/2011

		Male				Female			
<b>#Intestine Small: Ileum:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Granular Cell Tumor Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyoma</b>									
		1/50 (2%)	1/50 (2%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

Page: 18  
 Report Date: 05/18/2011

		Male				Female			
<b>#Intestine Small: Site Unspecified:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Granular Cell Tumor Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Leiomyoma</b>									
		1/50 (2%)	1/50 (2%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

Page: 19  
 Report Date: 05/18/2011

		Male				Female			
<b>#Intestine Small: Site Unspecified:</b>									
<b>Leiomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>*Islets, Pancreatic:</b>									
<b>Adenoma</b>									
		4/50 (8%)	4/50 (8%)	4/49 (8%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
		2/50 (4%)	2/50 (4%)	2/50 (4%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	18/299 (6.02%)	Mean 6.03%	SD 2.22%	Total	4/300 (1.33%)	Mean 1.33%	SD 1.03%	
.....									
<b>*Islets, Pancreatic:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Islets, Pancreatic:</b>									
<b>Carcinoma or Adenoma</b>									
		4/50 (8%)	4/50 (8%)	4/49 (8%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
		3/50 (6%)	3/50 (6%)	2/50 (4%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	20/299 (6.69%)	Mean 6.69%	SD 1.66%	Total	4/300 (1.33%)	Mean 1.33%	SD 1.03%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium: Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

#: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>									
		0/50 (0%)	1/50 (2%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Lipoma</b>									
		1/50 (2%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>*Kidney: Renal Tubule:</b>									
<b>Nephroblastoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>*Kidney: Renal Tubule:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Cholangioma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	1/50 (2%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Adenoma</b>									
		0/50 (0%)	1/50 (2%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	3/299 (1%)	Mean 1.01%	SD 1.1%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>									
		0/50 (0%)	1/50 (2%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	3/299 (1%)	Mean 1.01%	SD 1.1%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>									
		0/50 (0%)	1/50 (2%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	3/299 (1%)	Mean 1.01%	SD 1.1%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>*Liver:</b>									
<b>Ito Cell Tumor Benign</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Adenoma</b>									
		1/50 (2%)	3/50 (6%)	2/49 (4%)		4/50 (8%)	1/50 (2%)	0/50 (0%)	
		3/50 (6%)	0/50 (0%)	0/50 (0%)		4/50 (8%)	1/50 (2%)	2/50 (4%)	
<b>Overall Incidence</b>	Total	9/299 (3.01%)	Mean 3.01%	SD 2.76%	Total	12/300 (4%)	Mean 4%	SD 3.35%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma</b>									
		0/50 (0%)	1/50 (2%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/299 (1%)	Mean 1.01%	SD 1.1%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>									
		1/50 (2%)	4/50 (8%)	2/49 (4%)		4/50 (8%)	1/50 (2%)	0/50 (0%)	
		3/50 (6%)	0/50 (0%)	1/50 (2%)		4/50 (8%)	1/50 (2%)	2/50 (4%)	
<b>Overall Incidence</b>	Total	11/299 (3.68%)	Mean 3.68%	SD 2.95%	Total	12/300 (4%)	Mean 4%	SD 3.35%	
.....									
<b>*Lung:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>*Lung:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	1/50 (2%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	

#: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

Page: 25  
 Report Date: 05/18/2011

		Male				Female			
<b>*Lung:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Lymph Node:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland:</b>									
<b>Adenolipoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Mammary Gland:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	2/50 (4%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	2/50 (4%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	4/300 (1.33%)	Mean 1.33%	SD 2.07%	
.....									
<b>#Mammary Gland:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	4/50 (8%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	6/300 (2%)	Mean 2%	SD 3.1%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>#Mammary Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	4/50 (8%)	3/50 (6%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	2/50 (4%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	10/300 (3.33%)	Mean 3.33%	SD 3.27%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroadenoma</b>									
		2/50 (4%)	4/50 (8%)	0/49 (0%)		23/50 (46%)	26/50 (52%)	24/50 (48%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)		17/50 (34%)	29/50 (58%)	21/50 (42%)	
<b>Overall Incidence</b>	Total	7/299 (2.34%)	Mean 2.33%	SD 3.2%	Total	140/300 (46.67%)	Mean 46.67%	SD 8.26%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma or Adenoma</b>									
		2/50 (4%)	4/50 (8%)	0/49 (0%)		23/50 (46%)	26/50 (52%)	25/50 (50%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)		17/50 (34%)	29/50 (58%)	22/50 (44%)	
<b>Overall Incidence</b>	Total	7/299 (2.34%)	Mean 2.33%	SD 3.2%	Total	142/300 (47.33%)	Mean 47.33%	SD 8.16%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>									
		2/50 (4%)	4/50 (8%)	0/49 (0%)		23/50 (46%)	28/50 (56%)	26/50 (52%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)		17/50 (34%)	30/50 (60%)	22/50 (44%)	
<b>Overall Incidence</b>	Total	7/299 (2.34%)	Mean 2.33%	SD 3.2%	Total	146/300 (48.67%)	Mean 48.67%	SD 9.35%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

Page: 27  
 Report Date: 05/18/2011

		Male				Female			
<b>#Mesentery:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Nose:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>*Nose:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/299 (0%)	Mean 0%	SD 0%	
-----									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Papilloma Squamous or Papilloma</b>									
		0/50 (0%)	0/50 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.04%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	
-----									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	1/50 (2%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
-----									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>									
		0/50 (0%)	1/50 (2%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		2/50 (4%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/299 (1%)	Mean 1.01%	SD 1.1%	Total	3/300 (1%)	Mean 1%	SD 1.67%	
-----									
<b>#Oral Mucosa:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	1/50 (2%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

Page: 29  
 Report Date: 05/18/2011

		Male				Female			
<b>#Oral Mucosa:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.04%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary:</b>									
<b>Cystadenoma</b>									
						0/50 (0%)	0/50 (0%)	1/50 (2%)	
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total				1/300 (0.33%)	Mean 0.33%	SD 0.82%		
.....									
<b>*Ovary:</b>									
<b>Fibrosarcoma</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total				1/300 (0.33%)	Mean 0.33%	SD 0.82%		
.....									
<b>*Ovary:</b>									
<b>Granulosa Cell Tumor Benign</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total				1/300 (0.33%)	Mean 0.33%	SD 0.82%		
.....									
<b>*Ovary:</b>									
<b>Granulosa Cell Tumor Malignant</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total				0/300 (0%)	Mean 0%	SD 0%		

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

	Male	Female
<b>*Ovary:</b>		
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>		
	0/50 (0%)	0/50 (0%)
	1/50 (2%)	0/50 (0%)
<b>Overall Incidence</b>	<b>Total</b> 1/300 (0.33%)	<b>Mean</b> 0.33% <b>SD</b> 0.82%
.....		
<b>*Ovary:</b>		
<b>Granulosa-Theca Tumor Benign</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	<b>Total</b> 0/300 (0%)	<b>Mean</b> 0% <b>SD</b> 0%
.....		
<b>*Ovary:</b>		
<b>Granulosa-Theca Tumor Malignant</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	<b>Total</b> 0/300 (0%)	<b>Mean</b> 0% <b>SD</b> 0%
.....		
<b>*Ovary:</b>		
<b>Schwannoma Malignant</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	<b>Total</b> 0/300 (0%)	<b>Mean</b> 0% <b>SD</b> 0%
.....		
<b>*Ovary:</b>		
<b>Tubulostromal Adenoma</b>		
	1/50 (2%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	<b>Total</b> 1/300 (0.33%)	<b>Mean</b> 0.33% <b>SD</b> 0.82%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>*Pancreas:</b>									
<b>Adenoma</b>									
		0/50 (0%)	7/50 (14%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	11/299 (3.68%)	Mean 3.67%	SD 5.28%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	1/50 (2%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	8/50 (16%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	12/299 (4.01%)	Mean 4.01%	SD 6.06%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Mixed Tumor Benign</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Mixed Tumor Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>*Parathyroid Gland:</b>									
<b>Adenoma</b>									
		0/47 (0%)	0/47 (0%)	1/49 (2%)		1/38 (3%)	0/47 (0%)	0/44 (0%)	
		1/45 (2%)	0/49 (0%)	1/49 (2%)		0/47 (0%)	0/50 (0%)	2/46 (4%)	
<b>Overall Incidence</b>	Total	3/286 (1.05%)	Mean 1.05%	SD 1.15%	Total	3/272 (1.1%)	Mean 1.16%	SD 1.88%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Adenoma</b>									
		38/50 (76%)	19/50 (38%)	21/49 (43%)		34/50 (68%)	25/50 (50%)	29/50 (58%)	
		6/50 (12%)	23/50 (46%)	11/50 (22%)		25/50 (50%)	31/50 (62%)	27/50 (54%)	
<b>Overall Incidence</b>	Total	118/299 (39.46%)	Mean 39.48%	SD 22.14%	Total	171/300 (57%)	Mean 57%	SD 7.13%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		2/50 (4%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	3/300 (1%)	Mean 1%	SD 1.67%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma or Adenoma</b>									
		38/50 (76%)	19/50 (38%)	21/49 (43%)		36/50 (72%)	25/50 (50%)	30/50 (60%)	
		6/50 (12%)	24/50 (48%)	11/50 (22%)		25/50 (50%)	31/50 (62%)	27/50 (54%)	
<b>Overall Incidence</b>	Total	119/299 (39.8%)	Mean 39.81%	SD 22.27%	Total	174/300 (58%)	Mean 58%	SD 8.49%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Ganglioneuroma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>Adenoma</b>									
		1/50 (2%)	1/50 (2%)	0/49 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>Carcinoma or Adenoma</b>									
		1/50 (2%)	1/50 (2%)	0/49 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>*Pituitary Gland: Pars Nervosa:</b>									
<b>Craniopharyngioma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Prostate:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)					
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%					
.....									
<b>*Prostate:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)					
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%					

#: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route:** GAVAGE  
**Vehicle:** CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>*Salivary Glands:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%	
.....									
<b>*Salivary Glands:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%	
.....									
<b>*Salivary Glands:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/299 (0%)	Mean 0%	SD 0%	
.....									
<b>*Salivary Glands:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%	
.....									
<b>#Seminal Vesicle:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)					
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%					

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>#Skeletal Muscle:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.34%	SD 0.83%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma or Rhabdomyoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma</b>									
		1/50 (2%)	0/50 (0%)	2/49 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	4/299 (1.34%)	Mean 1.35%	SD 1.66%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route:** GAVAGE  
**Vehicle:** CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>#Skin:</b>									
<b>Basal Cell Adenoma or Basosquamous Tumor Benign</b>									
		1/50 (2%)	0/50 (0%)	2/49 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	4/299 (1.34%)	Mean 1.35%	SD 1.66%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma</b>									
		1/50 (2%)	0/50 (0%)	2/49 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	4/299 (1.34%)	Mean 1.35%	SD 1.66%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma</b>									
		0/50 (0%)	1/50 (2%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>									
		0/50 (0%)	1/50 (2%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>									
		1/50 (2%)	1/50 (2%)	2/49 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	6/299 (2.01%)	Mean 2.01%	SD 1.29%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>#Skin:</b>									
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>									
		2/50 (4%)	8/50 (16%)	2/49 (4%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		3/50 (6%)	4/50 (8%)	3/50 (6%)		1/50 (2%)	2/50 (4%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	22/299 (7.36%)	Mean 7.35%	SD 4.49%	Total	5/300 (1.67%)	Mean 1.67%	SD 1.51%	
.....									
<b>#Skin:</b>									
<b>Fibroma</b>									
		1/50 (2%)	5/50 (10%)	7/49 (14%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
		3/50 (6%)	6/50 (12%)	3/50 (6%)		2/50 (4%)	1/50 (2%)	3/50 (6%)	
<b>Overall Incidence</b>	Total	25/299 (8.36%)	Mean 8.38%	SD 4.53%	Total	8/300 (2.67%)	Mean 2.67%	SD 2.07%	
.....									
<b>#Skin:</b>									
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		2/50 (4%)	7/50 (14%)	7/49 (14%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
		4/50 (8%)	6/50 (12%)	3/50 (6%)		3/50 (6%)	4/50 (8%)	3/50 (6%)	
<b>Overall Incidence</b>	Total	29/299 (9.7%)	Mean 9.71%	SD 4.33%	Total	12/300 (4%)	Mean 4%	SD 3.1%	
.....									
<b>#Skin:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	1/50 (2%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	3/50 (6%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	4/300 (1.33%)	Mean 1.33%	SD 2.42%	
.....									
<b>#Skin:</b>									
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		1/50 (2%)	2/50 (4%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	3/50 (6%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	4/299 (1.34%)	Mean 1.33%	SD 1.63%	Total	4/300 (1.33%)	Mean 1.33%	SD 2.42%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

Page: 38  
 Report Date: 05/18/2011

		Male				Female			
<b>#Skin:</b>									
<b>Fibrous Histiocytoma</b>									
		1/50 (2%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Keratoacanthoma</b>									
		2/50 (4%)	7/50 (14%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)	3/50 (6%)	3/50 (6%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	17/299 (5.69%)	Mean 5.67%	SD 4.63%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Skin:</b>									
<b>Lipoma</b>									
		0/50 (0%)	2/50 (4%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/299 (1%)	Mean 1.01%	SD 1.68%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>#Skin:</b>									
<b>Liposarcoma</b>									
		0/50 (0%)	0/50 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.34%	SD 0.83%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Skin:</b>									
<b>Neural Crest Tumor</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neural Crest Tumor, Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neurofibroma or Schwannoma benign</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neurofibrosarcoma or Schwannoma (malignant or NOS)</b>									
		1/50 (2%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	4/299 (1.34%)	Mean 1.33%	SD 2.42%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route:** GAVAGE  
**Vehicle:** CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>#Skin:</b>									
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>									
		1/50 (2%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	4/299 (1.34%)	Mean 1.33%	SD 2.42%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	1/50 (2%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Schwannoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Schwannoma Malignant</b>									
		1/50 (2%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	4/299 (1.34%)	Mean 1.33%	SD 2.42%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>									
		0/50 (0%)	1/50 (2%)	0/49 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma or Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>									
		2/50 (4%)	7/50 (14%)	0/49 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)	3/50 (6%)	3/50 (6%)		0/50 (0%)	1/50 (2%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	17/299 (5.69%)	Mean 5.67%	SD 4.63%	Total	3/300 (1%)	Mean 1%	SD 1.1%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>									
		2/50 (4%)	7/50 (14%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)	3/50 (6%)	3/50 (6%)		0/50 (0%)	1/50 (2%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	17/299 (5.69%)	Mean 5.67%	SD 4.63%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>#Skin:</b>									
<b>Trichoepithelioma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin: Sebaceous Gland:</b>									
<b>Adenoma</b>									
		0/50 (0%)	1/50 (2%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/299 (1%)	Mean 1%	SD 1.1%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin: Sebaceous Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	1/50 (2%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/299 (1%)	Mean 1%	SD 1.1%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Spinal Cord:</b>									
<b>Astrocytoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Spinal Cord:</b>									
<b>Astrocytoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>#Spinal Cord:</b>									
<b>    Glioma Malignant</b>									
		0/50 (0%)	0/50 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.34%	SD 0.83%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>    Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>    Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>    Hemangiosarcoma</b>									
		0/50 (0%)	1/50 (2%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	2/50 (4%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.63%	
.....									
<b>*Spleen:</b>									
<b>    Leiomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>*Spleen:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Forestomach:</b>									
<b>Leiomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route:** GAVAGE  
**Vehicle:** CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>#Stomach, Glandular:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Glandular:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Glandular:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Glandular:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>*Testes:</b>									
<b>Adenoma</b>									
		37/50 (74%)	46/50 (92%)	37/49 (76%)					
		47/50 (94%)	40/50 (80%)	46/50 (92%)					
<b>Overall Incidence</b>	Total	253/299 (84.62%)	Mean 84.59%	SD 9.1%					

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>*Testes:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)					
		0/50 (0%)	1/50 (2%)	0/50 (0%)					
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%					
.....									
<b>*Thymus:</b>									
<b>Thymoma Benign</b>									
		1/47 (2%)	0/47 (0%)	0/48 (0%)	1/50 (2%)	0/47 (0%)	0/50 (0%)		
		0/47 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/47 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	1/289 (0.35%)	Mean 0.35%	SD 0.87%	Total	1/293 (0.34%)	Mean 0.33%	SD 0.82%	
.....									
<b>*Thymus:</b>									
<b>Thymoma Malignant</b>									
		0/47 (0%)	0/47 (0%)	0/48 (0%)	0/50 (0%)	0/47 (0%)	0/50 (0%)		
		0/47 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/47 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/289 (0%)	Mean 0%	SD 0%	Total	0/293 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thymus:</b>									
<b>Thymoma NOS</b>									
		0/47 (0%)	0/47 (0%)	0/48 (0%)	0/50 (0%)	0/47 (0%)	0/50 (0%)		
		0/47 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/47 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/289 (0%)	Mean 0%	SD 0%	Total	0/293 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thymus:</b>									
<b>Thymoma: Benign, Malignant, NOS</b>									
		1/47 (2%)	0/47 (0%)	0/48 (0%)	1/50 (2%)	0/47 (0%)	0/50 (0%)		
		0/47 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/47 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	1/289 (0.35%)	Mean 0.35%	SD 0.87%	Total	1/293 (0.34%)	Mean 0.33%	SD 0.82%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route:** GAVAGE  
**Vehicle:** CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>*Thyroid Gland: C-Cell: Adenoma</b>									
		10/50 (20%)	9/50 (18%)	8/49 (16%)		11/49 (22%)	7/50 (14%)	5/50 (10%)	
		12/50 (24%)	11/50 (22%)	8/50 (16%)		5/50 (10%)	9/49 (18%)	8/50 (16%)	
<b>Overall Incidence</b>	Total	58/299 (19.4%)	Mean 19.39%	SD 3.2%	Total	45/298 (15.1%)	Mean 15.14%	SD 4.87%	
.....									
<b>*Thyroid Gland: C-Cell: Carcinoma</b>									
		1/50 (2%)	6/50 (12%)	0/49 (0%)		0/49 (0%)	3/50 (6%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	7/299 (2.34%)	Mean 2.33%	SD 4.8%	Total	3/298 (1.01%)	Mean 1%	SD 2.45%	
.....									
<b>*Thyroid Gland: C-Cell: Carcinoma or Adenoma</b>									
		11/50 (22%)	15/50 (30%)	8/49 (16%)		11/49 (22%)	9/50 (18%)	5/50 (10%)	
		12/50 (24%)	11/50 (22%)	8/50 (16%)		5/50 (10%)	9/49 (18%)	8/50 (16%)	
<b>Overall Incidence</b>	Total	65/299 (21.74%)	Mean 21.72%	SD 5.21%	Total	47/298 (15.77%)	Mean 15.8%	SD 4.96%	
.....									
<b>*Thyroid Gland: Follicular Cell: Adenoma</b>									
		2/50 (4%)	1/50 (2%)	1/49 (2%)		1/49 (2%)	0/50 (0%)	1/50 (2%)	
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	1/49 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	6/299 (2.01%)	Mean 2.01%	SD 1.27%	Total	3/298 (1.01%)	Mean 1.01%	SD 1.11%	
.....									
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>									
		0/50 (0%)	1/50 (2%)	0/49 (0%)		0/49 (0%)	1/50 (2%)	0/50 (0%)	
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/299 (1%)	Mean 1%	SD 1.67%	Total	1/298 (0.34%)	Mean 0.33%	SD 0.82%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>									
		2/50 (4%)	2/50 (4%)	1/49 (2%)		1/49 (2%)	1/50 (2%)	1/50 (2%)	
		3/50 (6%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	1/49 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	9/299 (3.01%)	Mean 3.01%	SD 2.09%	Total	4/298 (1.34%)	Mean 1.35%	SD 1.04%	
.....									
<b>#Tissue NOS: Paraganglioma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tongue: Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tongue: Squamous Cell Carcinoma or Papilloma Squamous</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	
.....									
<b>#Tongue: Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route:** GAVAGE  
**Vehicle:** CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>#Tooth:</b>									
<b>Adamantinoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tooth:</b>									
<b>Odontoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>*Urinary Bladder:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>*Urinary Bladder:</b>									
<b>Carcinoma or Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>*Urinary Bladder:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

		Male				Female			
<b>*Urinary Bladder:</b>									
<b>Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Uterus:</b>									
<b>Adenoma</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total				Total	0/300 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus:</b>									
<b>Carcinoma</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total				Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Uterus:</b>									
<b>Deciduoma Benign</b>									
						0/50 (0%)	1/50 (2%)	0/50 (0%)	
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total				Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
.....									
<b>#Uterus:</b>									
<b>Leiomyosarcoma</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total				Total	0/300 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

	Male	Female
<b>#Uterus:</b> Polyp Stromal		
	3/50 (6%)	8/50 (16%)
	8/50 (16%)	3/50 (6%)
<b>Overall Incidence</b>	Total 34/300 (11.33%)	Mean 11.33% SD 4.68%
.....		
<b>#Uterus:</b> Sarcoma		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total 0/300 (0%)	Mean 0% SD 0%
.....		
<b>#Uterus:</b> Sarcoma Stromal		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	1/50 (2%)
<b>Overall Incidence</b>	Total 1/300 (0.33%)	Mean 0.33% SD 0.82%
.....		
<b>#Uterus:</b> Sarcoma Stromal or Polyp Stromal		
	3/50 (6%)	8/50 (16%)
	8/50 (16%)	3/50 (6%)
<b>Overall Incidence</b>	Total 34/300 (11.33%)	Mean 11.33% SD 4.68%
.....		
<b>#Uterus:</b> Schwannoma Malignant		
	1/50 (2%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total 1/300 (0.33%)	Mean 0.33% SD 0.82%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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 Report Date: 05/18/2011

					Male						Female											
<b>#Vagina:</b>																						
<b>Polyp</b>																						
					0/50	(0%)						1/50	(2%)									
					0/50	(0%)						0/50	(0%)									
<b>Overall Incidence</b>					Total		1/300	(0.33%)	Mean		0.33%	SD		0.82%								
.....																						
<b>#Vagina:</b>																						
<b>Sarcoma</b>																						
					0/50	(0%)						0/50	(0%)									
					0/50	(0%)						0/50	(0%)									
<b>Overall Incidence</b>					Total		0/300	(0%)	Mean		0%	SD		0%								
.....																						
<b>#Vagina:</b>																						
<b>Schwannoma Malignant</b>																						
					0/50	(0%)						0/50	(0%)									
					0/50	(0%)						1/50	(2%)									
<b>Overall Incidence</b>					Total		1/300	(0.33%)	Mean		0.33%	SD		0.82%								
.....																						
<b>#Zymbal's Gland:</b>																						
<b>Adenoma</b>																						
			0/50	(0%)	0/50	(0%)	0/49	(0%)				0/50	(0%)									
			0/50	(0%)	0/50	(0%)	0/50	(0%)				0/50	(0%)									
<b>Overall Incidence</b>			Total		0/299	(0%)	Mean		0%	SD		0%	Total		0/300	(0%)	Mean		0%	SD		0%
.....																						
<b>#Zymbal's Gland:</b>																						
<b>Carcinoma</b>																						
			1/50	(2%)	2/50	(4%)	0/49	(0%)				0/50	(0%)									
			0/50	(0%)	0/50	(0%)	0/50	(0%)				0/50	(0%)									
<b>Overall Incidence</b>			Total		3/299	(1%)	Mean		1%	SD		1.67%	Total		1/300	(0.33%)	Mean		0.33%	SD		0.82%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: CORN OIL

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		Male				Female			
<b>#Zymbal's Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		1/50 (2%)	2/50 (4%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	3/299 (1%)	Mean 1%	SD 1.67%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F 344/N  
Length of Study: CHRONIC

**Toxicology Data Management System**  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

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Report Date: 05/18/2011

**Study Summary**

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
<b>Male</b>							
Southern Research Institute	059902407	02/03/03	729	50(3)	21(661)	518.7	Androstenedione
Southern Research Institute	059903705	06/09/03	729	50(3)	27(662)	523.0	alpha/beta Thujone mixture
<b>Female</b>							
Southern Research Institute	059902407	02/03/03	729	50(5)	38(710)	356.5	Androstenedione
Southern Research Institute	059903705	06/09/03	730	50(5)	35(689)	335.4	alpha/beta Thujone mixture

NOTE: The text on page 2 ("Report Description") describes how the studies listed here are displayed on the data pages that follow.

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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 Report Date: 05/18/2011

		Male			Female			
<b>#All Organs:</b>								
<b>Benign Tumors</b>								
		47/50 (94%)	44/50 (88%)		44/50 (88%)	46/50 (92%)		
<b>Overall Incidence</b>	Total	91/100 (91%)	Mean 91%	SD 4.24%	Total	90/100 (90%)	Mean 90%	SD 2.83%
.....								
<b>#All Organs:</b>								
<b>Malignant Tumors</b>								
		34/50 (68%)	31/50 (62%)		10/50 (20%)	20/50 (40%)		
<b>Overall Incidence</b>	Total	65/100 (65%)	Mean 65%	SD 4.24%	Total	30/100 (30%)	Mean 30%	SD 14.14%
.....								
<b>#All Organs:</b>								
<b>Malignant and Benign Tumors</b>								
		49/50 (98%)	48/50 (96%)		46/50 (92%)	49/50 (98%)		
<b>Overall Incidence</b>	Total	97/100 (97%)	Mean 97%	SD 1.41%	Total	95/100 (95%)	Mean 95%	SD 4.24%
.....								
<b>#All Organs:</b>								
<b>Hemangioma</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#All Organs:</b>								
<b>Hemangiosarcoma</b>								
		1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#All Organs:</b>								
<b>Hemangiosarcoma or Hemangioma</b>								
		1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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 Report Date: 05/18/2011

		Male				Female			
<b>#All Organs:</b>									
<b>Histiocytic Sarcoma</b>									
		1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	2/100 (2%)	Mean 2%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Leukemia: Erythrocytic</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>									
		26/50 (52%)	22/50 (44%)		5/50 (10%)	10/50 (20%)			
<b>Overall Incidence</b>	Total	48/100 (48%)	Mean 48%	SD 5.66%	Total	15/100 (15%)	Mean 15%	SD 7.07%	
.....									
<b>#All Organs:</b>									
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%	
.....									
<b>#All Organs:</b>									
<b>Mesothelioma: Benign</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Mesothelioma: Benign, Malignant, NOS</b>									
		1/50 (2%)	2/50 (4%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	3/100 (3%)	Mean 3%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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 Report Date: 05/18/2011

		Male				Female			
<b>#All Organs:</b>									
<b>Mesothelioma: Malignant</b>									
		1/50	(2%)	2/50	(4%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	3/100	(3%)	Mean 3%	SD 1.41%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>#All Organs:</b>									
<b>Osteoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>#All Organs:</b>									
<b>Osteosarcoma</b>									
		1/50	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 0%	Total	1/100	(1%)	Mean 1%
									SD 1.41%
.....									
<b>#All Organs:</b>									
<b>Osteosarcoma or Osteoma</b>									
		1/50	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 0%	Total	1/100	(1%)	Mean 1%
									SD 1.41%
.....									
<b>*Adrenal Cortex:</b>									
<b>Adenoma</b>									
		3/50	(6%)	1/50	(2%)	0/50	(0%)	1/47	(2%)
<b>Overall Incidence</b>	Total	4/100	(4%)	Mean 4%	SD 2.83%	Total	1/97	(1.03%)	Mean 1.06%
									SD 1.5%
.....									
<b>*Adrenal Cortex:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/47	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/97	(0%)	Mean 0%
									SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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 Report Date: 05/18/2011

		Male				Female			
<b>*Adrenal Medulla: Ganglioneuroma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/48 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/98 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla: Hemangioma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/48 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/98 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla: Pheochromocytoma Benign</b>									
		7/50 (14%)	6/50 (12%)		3/50 (6%)	2/48 (4%)			
<b>Overall Incidence</b>	Total	13/100 (13%)	Mean 13%	SD 1.41%	Total	5/98 (5.1%)	Mean 5.08%	SD 1.3%	
.....									
<b>*Adrenal Medulla: Pheochromocytoma Complex</b>									
		1/50 (2%)	0/50 (0%)		1/50 (2%)	1/48 (2%)			
<b>Overall Incidence</b>	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	2/98 (2.04%)	Mean 2.04%	SD 0.06%	
.....									
<b>*Adrenal Medulla: Pheochromocytoma Malignant</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/48 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/98 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS</b>									
		8/50 (16%)	6/50 (12%)		4/50 (8%)	3/48 (6%)			
<b>Overall Incidence</b>	Total	14/100 (14%)	Mean 14%	SD 2.83%	Total	7/98 (7.14%)	Mean 7.13%	SD 1.24%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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 Report Date: 05/18/2011

		Male				Female					
<b>#Bone:</b>											
<b>Chordoma</b>											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Bone:</b>											
<b>Osteoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Bone:</b>											
<b>Osteosarcoma</b>											
		1/50	(2%)	1/50	(2%)			0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 0%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
<b>#Bone:</b>											
<b>Osteosarcoma or Osteoma</b>											
		1/50	(2%)	1/50	(2%)			0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 0%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
<b>*Brain:</b>											
<b>Astrocytoma Malignant</b>											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Ependymoma Benign</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

Page: 60  
 Report Date: 05/18/2011

		Male				Female			
<b>*Brain:</b>									
<b>Ependymoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Brain:</b>									
<b>Glioma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Brain:</b>									
<b>Glioma Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Brain:</b>									
<b>Glioma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	1/100	(1%)	Mean 1%	SD 1.41%
.....									
<b>*Brain:</b>									
<b>Granular Cell Tumor Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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 Report Date: 05/18/2011

		Male				Female					
<b>*Brain:</b>											
<b>Oligodendroglioma Malignant</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
<b>*Brain:</b>											
<b>Osteosarcoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Schwannoma Malignant</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Clitoral/Preputial Gland:</b>											
<b>Adenoma</b>											
		3/50	(6%)	2/49	(4%)			12/50	(24%)	12/50	(24%)
<b>Overall Incidence</b>	Total	5/99	(5.05%)	Mean 5.04%	SD 1.36%	Total	24/100	(24%)	Mean 24%	SD 0%	
.....											
<b>*Clitoral/Preputial Gland:</b>											
<b>Carcinoma</b>											
		0/50	(0%)	1/49	(2%)			1/50	(2%)	2/50	(4%)
<b>Overall Incidence</b>	Total	1/99	(1.01%)	Mean 1.02%	SD 1.44%	Total	3/100	(3%)	Mean 3%	SD 1.41%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

Page: 62  
 Report Date: 05/18/2011

		Male			Female		
<b>*Clitoral/Preputial Gland: Carcinoma or Adenoma</b>							
		3/50 (6%)	3/49 (6%)		13/50 (26%)	14/50 (28%)	
<b>Overall Incidence</b>	Total	6/99 (6.06%)	Mean 6.06%	SD 0.09%	Total	27/100 (27%)	Mean 27% SD 1.41%
.....							
<b>*Clitoral/Preputial Gland: Sarcoma</b>							
		0/50 (0%)	0/49 (0%)		1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/99 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1% SD 1.41%
.....							
<b>#Ear: Neural Crest Tumor</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#Esophagus: Lipoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#Eye: Melanoma Benign</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#Eye: Melanoma Malignant</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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 Report Date: 05/18/2011

		Male				Female			
<b>#Eye:</b>									
<b>Schwannoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Harderian Gland:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Harderian Gland:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Harderian Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Heart:</b>									
<b>Schwannoma Benign</b>									
		0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 2.83%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Heart:</b>									
<b>Schwannoma Malignant</b>									
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0% SD 0%
.....									

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female			
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1% SD 1.41%
.....									
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1% SD 1.41%
.....									
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Hemangioma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Duodenum:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Duodenum:</b>									
<b>Leiomyoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Duodenum:</b>									
<b>Schwannoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female			
<b>#Intestine Small: Ileum:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Granular Cell Tumor Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
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		Male			Female					
<b>#Intestine Small: Site Unspecified: Carcinoma</b>										
<b>Overall Incidence</b>	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/100 (0%)				0/100 (0%)				
<b>#Intestine Small: Site Unspecified: Carcinoma or Adenoma</b>										
<b>Overall Incidence</b>	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/100 (0%)				0/100 (0%)				
<b>#Intestine Small: Site Unspecified: Granular Cell Tumor Malignant</b>										
<b>Overall Incidence</b>	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/100 (0%)				0/100 (0%)				
<b>#Intestine Small: Site Unspecified: Leiomyoma</b>										
<b>Overall Incidence</b>	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/100 (0%)				0/100 (0%)				
<b>#Intestine Small: Site Unspecified: Leiomyosarcoma</b>										
<b>Overall Incidence</b>	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/100 (0%)				0/100 (0%)				
<b>#Intestine Small: Site Unspecified: Schwannoma Malignant</b>										
<b>Overall Incidence</b>	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/100 (0%)				0/100 (0%)				

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female			
<b>*Islets, Pancreatic: Adenoma</b>									
		4/50 (8%)	1/50 (2%)		1/50 (2%)	1/49 (2%)			
<b>Overall Incidence</b>	Total	5/100 (5%)	Mean 5%	SD 4.24%	Total	2/99 (2.02%)	Mean 2.02%	SD 0.03%	
.....									
<b>*Islets, Pancreatic: Carcinoma</b>									
		0/50 (0%)	2/50 (4%)		1/50 (2%)	0/49 (0%)			
<b>Overall Incidence</b>	Total	2/100 (2%)	Mean 2%	SD 2.83%	Total	1/99 (1.01%)	Mean 1%	SD 1.41%	
.....									
<b>*Islets, Pancreatic: Carcinoma or Adenoma</b>									
		4/50 (8%)	3/50 (6%)		2/50 (4%)	1/49 (2%)			
<b>Overall Incidence</b>	Total	7/100 (7%)	Mean 7%	SD 1.41%	Total	3/99 (3.03%)	Mean 3.02%	SD 1.39%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma</b>									
		0/49 (0%)	0/48 (0%)		0/50 (0%)	0/44 (0%)			
<b>Overall Incidence</b>	Total	0/97 (0%)	Mean 0%	SD 0%	Total	0/94 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma or Adenoma</b>									
		0/49 (0%)	0/48 (0%)		0/50 (0%)	0/44 (0%)			
<b>Overall Incidence</b>	Total	0/97 (0%)	Mean 0%	SD 0%	Total	0/94 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium: Papilloma</b>									
		0/49 (0%)	0/48 (0%)		0/50 (0%)	0/44 (0%)			
<b>Overall Incidence</b>	Total	0/97 (0%)	Mean 0%	SD 0%	Total	0/94 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
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 Vehicle: METHYLCELLULOSE

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		Male				Female			
<b>*Kidney: Renal Tubule: Adenoma</b>									
		0/49	(0%)	0/48	(0%)	0/50	(0%)	0/44	(0%)
<b>Overall Incidence</b>	Total	0/97	(0%)	Mean 0%	SD 0%	Total	0/94	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Carcinoma</b>									
		0/49	(0%)	0/48	(0%)	0/50	(0%)	0/44	(0%)
<b>Overall Incidence</b>	Total	0/97	(0%)	Mean 0%	SD 0%	Total	0/94	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>									
		0/49	(0%)	0/48	(0%)	0/50	(0%)	0/44	(0%)
<b>Overall Incidence</b>	Total	0/97	(0%)	Mean 0%	SD 0%	Total	0/94	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>									
		0/49	(0%)	0/48	(0%)	0/50	(0%)	0/44	(0%)
<b>Overall Incidence</b>	Total	0/97	(0%)	Mean 0%	SD 0%	Total	0/94	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Lipoma</b>									
		0/49	(0%)	0/48	(0%)	0/50	(0%)	0/44	(0%)
<b>Overall Incidence</b>	Total	0/97	(0%)	Mean 0%	SD 0%	Total	0/94	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>									
		0/49	(0%)	0/48	(0%)	0/50	(0%)	0/44	(0%)
<b>Overall Incidence</b>	Total	0/97	(0%)	Mean 0%	SD 0%	Total	0/94	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
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		Male				Female			
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Malignant</b>									
		0/49 (0%)	0/48 (0%)		0/50 (0%)	1/44 (2%)			
<b>Overall Incidence</b>	Total	0/97 (0%)	Mean 0%	SD 0%	Total	1/94 (1.06%)	Mean 1.14%	SD 1.61%	
.....									
<b>*Kidney: Renal Tubule: Nephroblastoma</b>									
		0/49 (0%)	0/48 (0%)		0/50 (0%)	0/44 (0%)			
<b>Overall Incidence</b>	Total	0/97 (0%)	Mean 0%	SD 0%	Total	0/94 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Sarcoma</b>									
		0/49 (0%)	0/48 (0%)		0/50 (0%)	0/44 (0%)			
<b>Overall Incidence</b>	Total	0/97 (0%)	Mean 0%	SD 0%	Total	0/94 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver: Cholangioma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver: Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver: Hepatocellular Adenoma</b>									
		2/50 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	2/100 (2%)	Mean 2%	SD 2.83%	Total	0/100 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female			
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>									
		2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 2.83%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>									
		2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 2.83%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Liver:</b>									
<b>Ito Cell Tumor Benign</b>									
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Adenoma</b>									
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female					
<b>*Lung:</b>											
<b>Alveolar/Bronchiolar Carcinoma</b>											
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Lung:</b>											
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>											
		0/50	(0%)	2/50	(4%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 2.83%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Lung:</b>											
<b>Fibrosarcoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Lung:</b>											
<b>Hemangiosarcoma</b>											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Lung:</b>											
<b>Squamous Cell Carcinoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Lymph Node:</b>											
<b>Hemangiosarcoma</b>											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female			
<b>#Mammary Gland:</b>									
<b>Adenolipoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	1/50	(2%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	2/100	(2%)	Mean 2%
									SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	2/50	(4%)	2/50	(4%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	4/100	(4%)	Mean 4%
									SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)	0/50	(0%)	3/50	(6%)	3/50	(6%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	6/100	(6%)	Mean 6%
									SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Fibroadenoma</b>									
		2/50	(4%)	3/50	(6%)	35/50	(70%)	26/50	(52%)
<b>Overall Incidence</b>	Total	5/100	(5%)	Mean 5%	SD 1.41%	Total	61/100	(61%)	Mean 61%
									SD 12.73%
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1%
									SD 1.41%
.....									

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
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		Male				Female			
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma or Adenoma</b>									
		3/50 (6%)	3/50 (6%)			36/50 (72%)	28/50 (56%)		
<b>Overall Incidence</b>	Total	6/100 (6%)	Mean 6%	SD 0%	Total	64/100 (64%)	Mean 64%	SD 11.31%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>									
		3/50 (6%)	3/50 (6%)			37/50 (74%)	30/50 (60%)		
<b>Overall Incidence</b>	Total	6/100 (6%)	Mean 6%	SD 0%	Total	67/100 (67%)	Mean 67%	SD 9.9%	
.....									
<b>#Mesentery:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female			
<b>*Nose:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Nose:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Papilloma Squamous or Papilloma</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Oral Mucosa:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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 Report Date: 05/18/2011

	Male				Female			
<b>#Oral Mucosa:</b>								
<b>Squamous Cell Papilloma</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>*Ovary:</b>								
<b>Cystadenoma</b>								
					0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>					Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>*Ovary:</b>								
<b>Fibrosarcoma</b>								
					0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>					Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor Benign</b>								
					0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>					Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor Malignant</b>								
					0/50 (0%)	1/50 (2%)		
<b>Overall Incidence</b>					Total	1/100 (1%)	Mean 1%	SD 1.41%
.....								
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>								
					0/50 (0%)	1/50 (2%)		
<b>Overall Incidence</b>					Total	1/100 (1%)	Mean 1%	SD 1.41%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male			Female		
<b>*Ovary:</b>							
<b>Granulosa-Theca Tumor Benign</b>							
			0/50 (0%)		0/50 (0%)		
<b>Overall Incidence</b>		Total	0/100 (0%)		Mean 0%		SD 0%
.....							
<b>*Ovary:</b>							
<b>Granulosa-Theca Tumor Malignant</b>							
			0/50 (0%)		0/50 (0%)		
<b>Overall Incidence</b>		Total	0/100 (0%)		Mean 0%		SD 0%
.....							
<b>*Ovary:</b>							
<b>Schwannoma Malignant</b>							
			0/50 (0%)		0/50 (0%)		
<b>Overall Incidence</b>		Total	0/100 (0%)		Mean 0%		SD 0%
.....							
<b>*Ovary:</b>							
<b>Tubulostromal Adenoma</b>							
			1/50 (2%)		0/50 (0%)		
<b>Overall Incidence</b>		Total	1/100 (1%)		Mean 1%		SD 1.41%
.....							
<b>*Pancreas:</b>							
<b>Adenoma</b>							
		3/50 (6%)	0/50 (0%)		0/50 (0%)		
<b>Overall Incidence</b>	Total	3/100 (3%)	Mean 3%	SD 4.24%	Total	0/99 (0%)	Mean 0%
							SD 0%
.....							
<b>*Pancreas:</b>							
<b>Carcinoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/99 (0%)	Mean 0%
							SD 0%
.....							

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female			
<b>*Pancreas:</b>									
<b>Carcinoma or Adenoma</b>									
		3/50	(6%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
<b>Overall Incidence</b>	Total	3/100	(3%)	Mean 3%	SD 4.24%	Total	0/99	(0%)	Mean 0%
									SD 0%
<b>*Pancreas:</b>									
<b>Mixed Tumor Benign</b>									
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/49	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/99	(0%)	Mean 0%
									SD 0%
<b>*Pancreas:</b>									
<b>Mixed Tumor Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/99	(0%)	Mean 0%
									SD 0%
<b>*Parathyroid Gland:</b>									
<b>Adenoma</b>									
		0/48	(0%)	0/48	(0%)	0/49	(0%)	0/47	(0%)
<b>Overall Incidence</b>	Total	0/96	(0%)	Mean 0%	SD 0%	Total	0/96	(0%)	Mean 0%
									SD 0%
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Adenoma</b>									
		19/50	(38%)	24/50	(48%)	19/50	(38%)	25/50	(50%)
<b>Overall Incidence</b>	Total	43/100	(43%)	Mean 43%	SD 7.07%	Total	44/100	(44%)	Mean 44%
									SD 8.49%
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1%
									SD 1.41%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female			
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>  Carcinoma or Adenoma</b>									
		19/50 (38%)	24/50 (48%)		19/50 (38%)	26/50 (52%)			
<b>Overall Incidence</b>	Total	43/100 (43%)	Mean 43%	SD 7.07%	Total	45/100 (45%)	Mean 45%	SD 9.9%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>  Ganglioneuroma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%	
.....									
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>  Adenoma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%	
.....									
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>  Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%	
.....									
<b>*Pituitary Gland: Pars Nervosa:</b>									
<b>  Craniopharyngioma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>*Prostate:</b>									
<b>  Adenoma</b>									
		0/50 (0%)	2/50 (4%)						
<b>Overall Incidence</b>	Total	2/100 (2%)	Mean 2%	SD 2.83%					

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male				Female			
<b>*Prostate:</b>									
<b>  Carcinoma or Adenoma</b>									
		0/50	(0%)	2/50	(4%)				
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 2.83%				
.....									
<b>*Salivary Glands:</b>									
<b>  Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>*Salivary Glands:</b>									
<b>  Carcinoma or Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>*Salivary Glands:</b>									
<b>  Sarcoma</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>*Salivary Glands:</b>									
<b>  Schwannoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>#Seminal Vesicle:</b>									
<b>  Adenoma</b>									
		0/50	(0%)	0/50	(0%)				
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%				

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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		Male				Female			
<b>#Skeletal Muscle:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skeletal Muscle:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma or Rhabdomyoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma</b>									
		0/50	(0%)	1/50	(2%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1% SD 1.41%
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma or Basosquamous Tumor Benign</b>									
		0/50	(0%)	1/50	(2%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1% SD 1.41%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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	Male				Female			
<b>#Skin:</b>								
<b>Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma</b>								
		0/50 (0%)	3/50 (6%)		0/50 (0%)	1/50 (2%)		
<b>Overall Incidence</b>	Total	3/100 (3%)	Mean 3%	SD 4.24%	Total	1/100 (1%)	Mean 1%	SD 1.41%
.....								
<b>#Skin:</b>								
<b>Basal Cell Carcinoma</b>								
		1/50 (2%)	1/50 (2%)		0/50 (0%)	1/50 (2%)		
<b>Overall Incidence</b>	Total	2/100 (2%)	Mean 2%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
.....								
<b>#Skin:</b>								
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>								
		1/50 (2%)	1/50 (2%)		0/50 (0%)	1/50 (2%)		
<b>Overall Incidence</b>	Total	2/100 (2%)	Mean 2%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
.....								
<b>#Skin:</b>								
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>								
		1/50 (2%)	4/50 (8%)		0/50 (0%)	2/50 (4%)		
<b>Overall Incidence</b>	Total	5/100 (5%)	Mean 5%	SD 4.24%	Total	2/100 (2%)	Mean 2%	SD 2.83%
.....								
<b>#Skin:</b>								
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>								
		5/50 (10%)	9/50 (18%)		0/50 (0%)	2/50 (4%)		
<b>Overall Incidence</b>	Total	14/100 (14%)	Mean 14%	SD 5.66%	Total	2/100 (2%)	Mean 2%	SD 2.83%
.....								
<b>#Skin:</b>								
<b>Fibroma</b>								
		5/50 (10%)	11/50 (22%)		3/50 (6%)	2/50 (4%)		
<b>Overall Incidence</b>	Total	16/100 (16%)	Mean 16%	SD 8.49%	Total	5/100 (5%)	Mean 5%	SD 1.41%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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	Male				Female			
<b>#Skin:</b>								
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>								
		6/50 (12%)	16/50 (32%)		3/50 (6%)	2/50 (4%)		
<b>Overall Incidence</b>	Total	22/100 (22%)	Mean 22%	SD 14.14%	Total	5/100 (5%)	Mean 5%	SD 1.41%
.....								
<b>#Skin:</b>								
<b>Fibrosarcoma</b>								
		1/50 (2%)	3/50 (6%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	4/100 (4%)	Mean 4%	SD 2.83%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>								
		1/50 (2%)	6/50 (12%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	7/100 (7%)	Mean 7%	SD 7.07%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Fibrous Histiocytoma</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Hemangioma</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Hemangiosarcoma</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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	Male				Female			
<b>#Skin:</b>								
<b>Keratoacanthoma</b>								
		3/50 (6%)	5/50 (10%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	8/100 (8%)	Mean 8%	SD 2.83%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Lipoma</b>								
		1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Liposarcoma</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Neural Crest Tumor</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Neural Crest Tumor, Malignant</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Neurofibroma or Schwannoma benign</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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	Male				Female			
<b>#Skin:</b>								
<b>Neurofibrosarcoma or Schwannoma (malignant or NOS)</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Sarcoma</b>								
		0/50 (0%)	3/50 (6%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	3/100 (3%)	Mean 3%	SD 4.24%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Schwannoma Benign</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Schwannoma Malignant</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Squamous Cell Carcinoma</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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	Male					Female						
<b>#Skin:</b>												
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>												
<b>Overall Incidence</b>	Total	1/50 (2%)	2/100 (2%)	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	1/100 (1%)	1/50 (2%)	Mean 1%	SD 1.41%
<b>#Skin:</b>												
<b>Squamous Cell Papilloma</b>												
<b>Overall Incidence</b>	Total	1/50 (2%)	1/100 (1%)	0/50 (0%)	Mean 1%	SD 1.41%	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%
<b>#Skin:</b>												
<b>Squamous Cell Papilloma or Papilloma</b>												
<b>Overall Incidence</b>	Total	1/50 (2%)	1/100 (1%)	0/50 (0%)	Mean 1%	SD 1.41%	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%
<b>#Skin:</b>												
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>												
<b>Overall Incidence</b>	Total	4/50 (8%)	9/100 (9%)	5/50 (10%)	Mean 9%	SD 1.41%	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%
<b>#Skin:</b>												
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>												
<b>Overall Incidence</b>	Total	4/50 (8%)	9/100 (9%)	5/50 (10%)	Mean 9%	SD 1.41%	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%
<b>#Skin:</b>												
<b>Trichoepithelioma</b>												
<b>Overall Incidence</b>	Total	0/50 (0%)	2/100 (2%)	2/50 (4%)	Mean 2%	SD 2.83%	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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		Male				Female			
<b>#Skin: Sebaceous Gland:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Skin: Sebaceous Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Spinal Cord:</b>									
<b>Astrocytoma Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Spinal Cord:</b>									
<b>Astrocytoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Spinal Cord:</b>									
<b>Glioma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Spleen:</b>									
<b>Fibrosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/48	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/98	(0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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		Male				Female			
<b>*Spleen:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/48	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/98	(0%)	Mean 0%
.....									
<b>*Spleen:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/48	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/98	(0%)	Mean 0%
.....									
<b>*Spleen:</b>									
<b>Leiomyosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/48	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/98	(0%)	Mean 0%
.....									
<b>*Spleen:</b>									
<b>Sarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/48	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/98	(0%)	Mean 0%
.....									
<b>#Stomach, Forestomach:</b>									
<b>Leiomyosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
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		Male				Female			
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Stomach, Glandular:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Stomach, Glandular:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Stomach, Glandular:</b>									
<b>Lipoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Stomach, Glandular:</b>									
<b>Sarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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		Male				Female			
<b>*Testes:</b>									
<b>Adenoma</b>									
		42/50	(84%)	35/50	(70%)				
<b>Overall Incidence</b>	Total	77/100	(77%)	Mean 77%	SD 9.9%				
.....									
<b>*Testes:</b>									
<b>Hemangioma</b>									
		0/50	(0%)	0/50	(0%)				
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%				
.....									
<b>*Thymus:</b>									
<b>Thymoma Benign</b>									
		0/50	(0%)	0/44	(0%)	0/50	(0%)	0/48	(0%)
<b>Overall Incidence</b>	Total	0/94	(0%)	Mean 0%	SD 0%	Total 0/98	(0%)	Mean 0%	SD 0%
.....									
<b>*Thymus:</b>									
<b>Thymoma Malignant</b>									
		0/50	(0%)	0/44	(0%)	0/50	(0%)	0/48	(0%)
<b>Overall Incidence</b>	Total	0/94	(0%)	Mean 0%	SD 0%	Total 0/98	(0%)	Mean 0%	SD 0%
.....									
<b>*Thymus:</b>									
<b>Thymoma NOS</b>									
		0/50	(0%)	0/44	(0%)	0/50	(0%)	0/48	(0%)
<b>Overall Incidence</b>	Total	0/94	(0%)	Mean 0%	SD 0%	Total 0/98	(0%)	Mean 0%	SD 0%
.....									
<b>*Thymus:</b>									
<b>Thymoma: Benign, Malignant, NOS</b>									
		0/50	(0%)	0/44	(0%)	0/50	(0%)	0/48	(0%)
<b>Overall Incidence</b>	Total	0/94	(0%)	Mean 0%	SD 0%	Total 0/98	(0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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		Male				Female			
<b>*Thyroid Gland: C-Cell: Adenoma</b>									
		3/50 (6%)	6/46 (13%)		4/50 (8%)	4/42 (10%)			
<b>Overall Incidence</b>	Total	9/96 (9.38%)	Mean 9.52%	SD 4.98%	Total	8/92 (8.7%)	Mean 8.76%	SD 1.08%	
.....									
<b>*Thyroid Gland: C-Cell: Carcinoma</b>									
		1/50 (2%)	0/46 (0%)		0/50 (0%)	3/42 (7%)			
<b>Overall Incidence</b>	Total	1/96 (1.04%)	Mean 1%	SD 1.41%	Total	3/92 (3.26%)	Mean 3.57%	SD 5.05%	
.....									
<b>*Thyroid Gland: C-Cell: Carcinoma or Adenoma</b>									
		4/50 (8%)	6/46 (13%)		4/50 (8%)	7/42 (17%)			
<b>Overall Incidence</b>	Total	10/96 (10.42%)	Mean 10.52%	SD 3.57%	Total	11/92 (11.96%)	Mean 12.33%	SD 6.13%	
.....									
<b>*Thyroid Gland: Follicular Cell: Adenoma</b>									
		3/50 (6%)	0/46 (0%)		0/50 (0%)	0/42 (0%)			
<b>Overall Incidence</b>	Total	3/96 (3.12%)	Mean 3%	SD 4.24%	Total	0/92 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>									
		0/50 (0%)	0/46 (0%)		0/50 (0%)	0/42 (0%)			
<b>Overall Incidence</b>	Total	0/96 (0%)	Mean 0%	SD 0%	Total	0/92 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>									
		3/50 (6%)	0/46 (0%)		0/50 (0%)	0/42 (0%)			
<b>Overall Incidence</b>	Total	3/96 (3.12%)	Mean 3%	SD 4.24%	Total	0/92 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

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		Male				Female			
<b>#Tissue NOS:</b>									
<b>Paranglioma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Papilloma</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Tooth:</b>									
<b>Adamantinoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Tooth:</b>									
<b>Odontoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
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		Male				Female			
<b>*Urinary Bladder:</b>									
<b>  Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Urinary Bladder:</b>									
<b>  Carcinoma or Papilloma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Urinary Bladder:</b>									
<b>  Hemangiosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Urinary Bladder:</b>									
<b>  Papilloma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Uterus:</b>									
<b>  Adenoma</b>									
						0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>						0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Uterus:</b>									
<b>  Carcinoma</b>									
						0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>						0/100	(0%)	Mean 0%	SD 0%
.....									

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
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	Male	Female
<b>#Uterus:</b> Deciduoma Benign		
Overall Incidence	Total 0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0% SD 0%
<b>#Uterus:</b> Leiomyosarcoma		
Overall Incidence	Total 0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0% SD 0%
<b>#Uterus:</b> Polyp Stromal		
Overall Incidence	Total 9/50 (18%) 26/100 (26%)	17/50 (34%) Mean 26% SD 11.31%
<b>#Uterus:</b> Sarcoma		
Overall Incidence	Total 0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0% SD 0%
<b>#Uterus:</b> Sarcoma Stromal		
Overall Incidence	Total 0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0% SD 0%
<b>#Uterus:</b> Sarcoma Stromal or Polyp Stromal		
Overall Incidence	Total 9/50 (18%) 26/100 (26%)	17/50 (34%) Mean 26% SD 11.31%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: METHYLCELLULOSE

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		Male			Female		
<b>#Uterus:</b>							
Schwannoma Malignant							
			0/50 (0%)		0/50 (0%)		
<b>Overall Incidence</b>		Total	0/100 (0%)	Mean	0%	SD	0%
.....							
<b>#Vagina:</b>							
Polyp							
			0/50 (0%)		0/50 (0%)		
<b>Overall Incidence</b>		Total	0/100 (0%)	Mean	0%	SD	0%
.....							
<b>#Vagina:</b>							
Sarcoma							
			0/50 (0%)		0/50 (0%)		
<b>Overall Incidence</b>		Total	0/100 (0%)	Mean	0%	SD	0%
.....							
<b>#Vagina:</b>							
Schwannoma Malignant							
			0/50 (0%)		0/50 (0%)		
<b>Overall Incidence</b>		Total	0/100 (0%)	Mean	0%	SD	0%
.....							
<b>#Zymbal's Gland:</b>							
Adenoma							
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%
.....							
<b>#Zymbal's Gland:</b>							
Carcinoma							
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%
.....							

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F 344/N  
Length of Study: CHRONIC

**Toxicology Data Management System**  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

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	Male				Female			
<b>#Zymbal's Gland:</b>								
<b>Carcinoma or Adenoma</b>		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

---

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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 Report Date: 05/18/2011

**Study Summary**

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
<b>Male</b>							
Battelle Columbus Laboratory	052000505	01/21/04	727	50(3)	30(679)	498.5	Ginseng
Battelle Columbus Laboratory	059501107	03/06/02	727	50(3)	22(673)	510.3	5-(Hydroxymethyl)-2-furfural
<b>Female</b>							
Battelle Columbus Laboratory	052000505	01/22/04	728	50(5)	36(700)	355.0	Ginseng
Battelle Columbus Laboratory	059501107	03/07/02	728	50(5)	31(679)	332.2	5-(Hydroxymethyl)-2-furfural

NOTE: The text on page 2 ("Report Description") describes how the studies listed here are displayed on the data pages that follow.

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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 Report Date: 05/18/2011

		Male			Female		
<b>#All Organs:</b>							
<b>Benign Tumors</b>							
		49/50 (98%)	50/50 (100%)		42/50 (84%)	46/50 (92%)	
<b>Overall Incidence</b>	Total	99/100 (99%)	Mean 99%	SD 1.41%	Total	88/100 (88%)	Mean 88% SD 5.66%
.....							
<b>#All Organs:</b>							
<b>Malignant Tumors</b>							
		26/50 (52%)	35/50 (70%)		10/50 (20%)	16/50 (32%)	
<b>Overall Incidence</b>	Total	61/100 (61%)	Mean 61%	SD 12.73%	Total	26/100 (26%)	Mean 26% SD 8.49%
.....							
<b>#All Organs:</b>							
<b>Malignant and Benign Tumors</b>							
		49/50 (98%)	50/50 (100%)		45/50 (90%)	48/50 (96%)	
<b>Overall Incidence</b>	Total	99/100 (99%)	Mean 99%	SD 1.41%	Total	93/100 (93%)	Mean 93% SD 4.24%
.....							
<b>#All Organs:</b>							
<b>Hemangioma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangiosarcoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangiosarcoma or Hemangioma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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 Report Date: 05/18/2011

		Male			Female		
<b>#All Organs:</b>							
<b>Histiocytic Sarcoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Leukemia: Erythrocytic</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>							
		18/50 (36%)	28/50 (56%)		6/50 (12%)	9/50 (18%)	
<b>Overall Incidence</b>	Total	46/100 (46%)	Mean 46%	SD 14.14%	Total	15/100 (15%)	Mean 15% SD 4.24%
.....							
<b>#All Organs:</b>							
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Mesothelioma: Benign</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Mesothelioma: Benign, Malignant, NOS</b>							
		2/50 (4%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	4/100 (4%)	Mean 4%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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 Report Date: 05/18/2011

		Male				Female			
<b>#All Organs:</b>									
<b>Mesothelioma: Malignant</b>									
		2/50	(4%)	2/50	(4%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	4/100	(4%)	Mean 4%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>#All Organs:</b>									
<b>Osteoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>#All Organs:</b>									
<b>Osteosarcoma</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1%
									SD 1.41%
.....									
<b>#All Organs:</b>									
<b>Osteosarcoma or Osteoma</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1%
									SD 1.41%
.....									
<b>*Adrenal Cortex:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1%
									SD 1.41%
.....									
<b>*Adrenal Cortex:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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 Report Date: 05/18/2011

		Male				Female			
<b>*Adrenal Medulla: Ganglioneuroma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Adrenal Medulla: Hemangioma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Adrenal Medulla: Pheochromocytoma Benign</b>									
		4/50	(8%)	5/50	(10%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	9/100	(9%)	Mean 9%	SD 1.41%	Total	1/100	(1%)	Mean 1% SD 1.41%
.....									
<b>*Adrenal Medulla: Pheochromocytoma Complex</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Adrenal Medulla: Pheochromocytoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS</b>									
		4/50	(8%)	5/50	(10%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	9/100	(9%)	Mean 9%	SD 1.41%	Total	1/100	(1%)	Mean 1% SD 1.41%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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 Report Date: 05/18/2011

		Male				Female			
<b>#Bone:</b>									
<b>Chordoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Bone:</b>									
<b>Osteoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Bone:</b>									
<b>Osteosarcoma</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1% SD 1.41%
.....									
<b>#Bone:</b>									
<b>Osteosarcoma or Osteoma</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1% SD 1.41%
.....									
<b>*Brain:</b>									
<b>Astrocytoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Ependymoma Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male				Female			
<b>*Brain:</b>									
<b>Ependymoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Glioma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Glioma Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Glioma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Granular Cell Tumor Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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 Report Date: 05/18/2011

		Male				Female					
<b>*Brain:</b>											
<b>Oligodendroglioma Malignant</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Osteosarcoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Schwannoma Malignant</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Clitoral/Preputial Gland:</b>											
<b>Adenoma</b>											
		0/50	(0%)	5/50	(10%)			1/50	(2%)	3/50	(6%)
<b>Overall Incidence</b>	Total	5/100	(5%)	Mean 5%	SD 7.07%	Total	4/100	(4%)	Mean 4%	SD 2.83%	
.....											
<b>*Clitoral/Preputial Gland:</b>											
<b>Carcinoma</b>											
		0/50	(0%)	1/50	(2%)			1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1%	SD 1.41%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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 Report Date: 05/18/2011

		Male				Female			
<b>*Clitoral/Preputial Gland: Carcinoma or Adenoma</b>									
		0/50 (0%)	6/50 (12%)		2/50 (4%)	3/50 (6%)			
<b>Overall Incidence</b>	Total	6/100 (6%)	Mean 6%	SD 8.49%	Total	5/100 (5%)	Mean 5%	SD 1.41%	
.....									
<b>*Clitoral/Preputial Gland: Sarcoma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>#Ear: Neural Crest Tumor</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>#Esophagus: Lipoma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>#Eye: Melanoma Benign</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>#Eye: Melanoma Malignant</b>									
		0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male				Female					
<b>#Eye:</b>											
<b>Schwannoma Malignant</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Harderian Gland:</b>											
<b>Adenoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Harderian Gland:</b>											
<b>Carcinoma</b>											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Harderian Gland:</b>											
<b>Carcinoma or Adenoma</b>											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Heart:</b>											
<b>Schwannoma Benign</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Heart:</b>											
<b>Schwannoma Malignant</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1%	SD 1.41%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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 Report Date: 05/18/2011

		Male				Female			
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1% SD 1.41%
.....									
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1% SD 1.41%
.....									
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Hemangioma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Duodenum:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Duodenum:</b>									
<b>Leiomyoma</b>									
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1% SD 1.41%
.....									
<b>#Intestine Small: Duodenum:</b>									
<b>Schwannoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
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 Vehicle: WATER

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		Male				Female					
<b>#Intestine Small: Ileum:</b>											
<b>Adenoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Jejunum:</b>											
<b>Carcinoma</b>											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Jejunum:</b>											
<b>Granular Cell Tumor Malignant</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Jejunum:</b>											
<b>Leiomyoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Jejunum:</b>											
<b>Leiomyosarcoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Site Unspecified:</b>											
<b>Adenoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male				Female					
<b>#Intestine Small: Site Unspecified: Carcinoma</b>											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Site Unspecified: Carcinoma or Adenoma</b>											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Site Unspecified: Granular Cell Tumor Malignant</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Site Unspecified: Leiomyoma</b>											
		0/50	(0%)	0/50	(0%)			1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
<b>#Intestine Small: Site Unspecified: Leiomyosarcoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Site Unspecified: Schwannoma Malignant</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
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		Male				Female					
<b>*Islets, Pancreatic:</b>											
<b>Adenoma</b>											
		0/50	(0%)	2/50	(4%)			1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 2.83%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
<b>*Islets, Pancreatic:</b>											
<b>Carcinoma</b>											
		0/50	(0%)	2/50	(4%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 2.83%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Islets, Pancreatic:</b>											
<b>Carcinoma or Adenoma</b>											
		0/50	(0%)	4/50	(8%)			1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	4/100	(4%)	Mean 4%	SD 5.66%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
<b>*Kidney: Pelvis and Transitional Epithelium:</b>											
<b>Carcinoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Kidney: Pelvis and Transitional Epithelium:</b>											
<b>Carcinoma or Adenoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Kidney: Pelvis and Transitional Epithelium:</b>											
<b>Papilloma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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 Report Date: 05/18/2011

		Male				Female					
<b>*Kidney: Renal Tubule: Adenoma</b>											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Kidney: Renal Tubule: Carcinoma</b>											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>											
		2/50	(4%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 2.83%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Kidney: Renal Tubule: Lipoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male				Female			
<b>*Kidney: Renal Tubule:</b>									
<b>Mesenchymal Tumor Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Kidney: Renal Tubule:</b>									
<b>Nephroblastoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Kidney: Renal Tubule:</b>									
<b>Sarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Liver:</b>									
<b>Cholangioma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Liver:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Liver:</b>									
<b>Hepatocellular Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male				Female					
<b>*Liver:</b>											
<b>Hepatocellular Carcinoma</b>											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Liver:</b>											
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Liver:</b>											
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Liver:</b>											
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Liver:</b>											
<b>Ito Cell Tumor Benign</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Lung:</b>											
<b>Alveolar/Bronchiolar Adenoma</b>											
		0/50	(0%)	0/50	(0%)			1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1%	SD 1.41%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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 Route: GAVAGE  
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		Male				Female				
<b>*Lung:</b>										
<b>Alveolar/Bronchiolar Carcinoma</b>										
		0/50	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
<b>*Lung:</b>										
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>										
		0/50	(0%)	1/50	(2%)		1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1%	SD 1.41%
.....										
<b>*Lung:</b>										
<b>Fibrosarcoma</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
<b>*Lung:</b>										
<b>Hemangiosarcoma</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
<b>*Lung:</b>										
<b>Squamous Cell Carcinoma</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
<b>#Lymph Node:</b>										
<b>Hemangiosarcoma</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
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		Male				Female			
<b>#Mammary Gland:</b>									
<b>Adenolipoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	2/50	(4%)	2/50	(4%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	4/100	(4%)	Mean 4%
									SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)	0/50	(0%)	2/50	(4%)	2/50	(4%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	4/100	(4%)	Mean 4%
									SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Fibroadenoma</b>									
		2/50	(4%)	1/50	(2%)	32/50	(64%)	29/50	(58%)
<b>Overall Incidence</b>	Total	3/100	(3%)	Mean 3%	SD 1.41%	Total	61/100	(61%)	Mean 61%
									SD 4.24%
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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	Male				Female			
<b>#Mammary Gland:</b>								
<b>Fibroma, Fibroadenoma or Adenoma</b>								
		2/50 (4%)	1/50 (2%)		33/50 (66%)	30/50 (60%)		
<b>Overall Incidence</b>	Total	3/100 (3%)	Mean 3%	SD 1.41%	Total	63/100 (63%)	Mean 63%	SD 4.24%
.....								
<b>#Mammary Gland:</b>								
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>								
		2/50 (4%)	1/50 (2%)		33/50 (66%)	30/50 (60%)		
<b>Overall Incidence</b>	Total	3/100 (3%)	Mean 3%	SD 1.41%	Total	63/100 (63%)	Mean 63%	SD 4.24%
.....								
<b>#Mesentery:</b>								
<b>Fibrous Histiocytoma</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Mesentery:</b>								
<b>Hemangiosarcoma</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Mesentery:</b>								
<b>Lipoma</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Mesentery:</b>								
<b>Schwannoma Malignant</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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 Route: GAVAGE  
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		Male				Female			
<b>*Nose:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	1/100	(1%)	Mean 1%	SD 1.41%
.....									
<b>*Nose:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Papilloma Squamous or Papilloma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Oral Mucosa:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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 Tumor Incidence for Selected Control Animal Groups  
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 Vehicle: WATER

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	Male				Female			
<b>#Oral Mucosa:</b>								
<b>Squamous Cell Papilloma</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>*Ovary:</b>								
<b>Cystadenoma</b>								
					0/50 (0%)	0/49 (0%)		
<b>Overall Incidence</b>					Total	0/99 (0%)	Mean 0%	SD 0%
.....								
<b>*Ovary:</b>								
<b>Fibrosarcoma</b>								
					0/50 (0%)	0/49 (0%)		
<b>Overall Incidence</b>					Total	0/99 (0%)	Mean 0%	SD 0%
.....								
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor Benign</b>								
					0/50 (0%)	0/49 (0%)		
<b>Overall Incidence</b>					Total	0/99 (0%)	Mean 0%	SD 0%
.....								
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor Malignant</b>								
					0/50 (0%)	0/49 (0%)		
<b>Overall Incidence</b>					Total	0/99 (0%)	Mean 0%	SD 0%
.....								
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>								
					0/50 (0%)	0/49 (0%)		
<b>Overall Incidence</b>					Total	0/99 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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		Male			Female		
<b>*Ovary:</b>							
<b>Granulosa-Theca Tumor Benign</b>							
			0/50 (0%)		0/49 (0%)		
<b>Overall Incidence</b>		Total	0/99 (0%)		Mean 0%		SD 0%
.....							
<b>*Ovary:</b>							
<b>Granulosa-Theca Tumor Malignant</b>							
			0/50 (0%)		0/49 (0%)		
<b>Overall Incidence</b>		Total	0/99 (0%)		Mean 0%		SD 0%
.....							
<b>*Ovary:</b>							
<b>Schwannoma Malignant</b>							
			0/50 (0%)		0/49 (0%)		
<b>Overall Incidence</b>		Total	0/99 (0%)		Mean 0%		SD 0%
.....							
<b>*Ovary:</b>							
<b>Tubulostromal Adenoma</b>							
			0/50 (0%)		0/49 (0%)		
<b>Overall Incidence</b>		Total	0/99 (0%)		Mean 0%		SD 0%
.....							
<b>*Pancreas:</b>							
<b>Adenoma</b>							
		0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%
							SD 0%
.....							
<b>*Pancreas:</b>							
<b>Carcinoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%
							SD 0%
.....							

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
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 Vehicle: WATER

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		Male				Female					
<b>*Pancreas:</b>											
<b>Carcinoma or Adenoma</b>											
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Pancreas:</b>											
<b>Mixed Tumor Benign</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Pancreas:</b>											
<b>Mixed Tumor Malignant</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Parathyroid Gland:</b>											
<b>Adenoma</b>											
		0/50	(0%)	0/49	(0%)			0/48	(0%)	0/48	(0%)
<b>Overall Incidence</b>	Total	0/99	(0%)	Mean 0%	SD 0%	Total	0/96	(0%)	Mean 0%	SD 0%	
.....											
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>											
<b>Adenoma</b>											
		20/50	(40%)	15/50	(30%)			16/50	(32%)	24/50	(48%)
<b>Overall Incidence</b>	Total	35/100	(35%)	Mean 35%	SD 7.07%	Total	40/100	(40%)	Mean 40%	SD 11.31%	
.....											
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>											
<b>Carcinoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
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		Male			Female		
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>							
<b>  Carcinoma or Adenoma</b>							
		20/50 (40%)	15/50 (30%)		16/50 (32%)	25/50 (50%)	
<b>Overall Incidence</b>	Total	35/100 (35%)	Mean 35%	SD 7.07%	Total	41/100 (41%)	Mean 41% SD 12.73%
.....							
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>							
<b>  Ganglioneuroma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>*Pituitary Gland: Pars Intermedia:</b>							
<b>  Adenoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>*Pituitary Gland: Pars Intermedia:</b>							
<b>  Carcinoma or Adenoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>*Pituitary Gland: Pars Nervosa:</b>							
<b>  Craniopharyngioma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>*Prostate:</b>							
<b>  Adenoma</b>							
		1/50 (2%)	0/50 (0%)				
<b>Overall Incidence</b>	Total	1/100 (1%)	Mean 1%	SD 1.41%			

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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		Male				Female			
<b>*Prostate:</b>									
<b>Carcinoma or Adenoma</b>									
		1/50	(2%)	0/50	(0%)				
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%				
.....									
<b>*Salivary Glands:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>*Salivary Glands:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>*Salivary Glands:</b>									
<b>Sarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>*Salivary Glands:</b>									
<b>Schwannoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>#Seminal Vesicle:</b>									
<b>Adenoma</b>									
		1/50	(2%)	0/50	(0%)				
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%				

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
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 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
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		Male				Female			
<b>#Skeletal Muscle:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skeletal Muscle:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma or Rhabdomyoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma</b>									
		1/50	(2%)	1/50	(2%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 0%	Total	1/100	(1%)	Mean 1% SD 1.41%
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma or Basosquamous Tumor Benign</b>									
		1/50	(2%)	1/50	(2%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 0%	Total	1/100	(1%)	Mean 1% SD 1.41%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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	Male					Female								
<b>#Skin:</b>														
<b>Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma</b>														
		1/50	(2%)	1/50	(2%)			1/50	(2%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	2/100 (2%)		Mean	2%	SD	0%	Total	1/100 (1%)		Mean	1%	SD	1.41%
.....														
<b>#Skin:</b>														
<b>Basal Cell Carcinoma</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)		Mean	0%	SD	0%	Total	0/100 (0%)		Mean	0%	SD	0%
.....														
<b>#Skin:</b>														
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)		Mean	0%	SD	0%	Total	0/100 (0%)		Mean	0%	SD	0%
.....														
<b>#Skin:</b>														
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>														
		1/50	(2%)	1/50	(2%)			1/50	(2%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	2/100 (2%)		Mean	2%	SD	0%	Total	1/100 (1%)		Mean	1%	SD	1.41%
.....														
<b>#Skin:</b>														
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>														
		2/50	(4%)	4/50	(8%)			3/50	(6%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	6/100 (6%)		Mean	6%	SD	2.83%	Total	3/100 (3%)		Mean	3%	SD	4.24%
.....														
<b>#Skin:</b>														
<b>Fibroma</b>														
		2/50	(4%)	5/50	(10%)			0/50	(0%)	1/50	(2%)			
<b>Overall Incidence</b>	Total	7/100 (7%)		Mean	7%	SD	4.24%	Total	1/100 (1%)		Mean	1%	SD	1.41%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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 Vehicle: WATER

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	Male				Female			
<b>#Skin:</b>								
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma								
		3/50 (6%)	6/50 (12%)		0/50 (0%)	1/50 (2%)		
<b>Overall Incidence</b>	Total	9/100 (9%)	Mean 9%	SD 4.24%	Total	1/100 (1%)	Mean 1%	SD 1.41%
.....								
<b>#Skin:</b>								
Fibrosarcoma								
		0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma								
		1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	2/100 (2%)	Mean 2%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
Fibrous Histiocytoma								
		1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
Hemangioma								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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		Male				Female					
<b>#Skin:</b>											
<b>Keratoacanthoma</b>											
		0/50	(0%)	2/50	(4%)			2/50	(4%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 2.83%	Total	2/100	(2%)	Mean 2%	SD 2.83%	
.....											
<b>#Skin:</b>											
<b>Lipoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
<b>Liposarcoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
<b>Neural Crest Tumor</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
<b>Neural Crest Tumor, Malignant</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
<b>Neurofibroma or Schwannoma benign</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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 Vehicle: WATER

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	Male					Female				
<b>#Skin:</b>										
<b>Neurofibrosarcoma or Schwannoma (malignant or NOS)</b>										
		0/50	(0%)	1/50	(2%)		0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1%	SD 1.41%
.....										
<b>#Skin:</b>										
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>										
		0/50	(0%)	1/50	(2%)		0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1%	SD 1.41%
.....										
<b>#Skin:</b>										
<b>Sarcoma</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
<b>#Skin:</b>										
<b>Schwannoma Benign</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
<b>#Skin:</b>										
<b>Schwannoma Malignant</b>										
		0/50	(0%)	1/50	(2%)		0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1%	SD 1.41%
.....										
<b>#Skin:</b>										
<b>Squamous Cell Carcinoma</b>										
		1/50	(2%)	1/50	(2%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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	Male				Female			
<b>#Skin:</b>								
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>								
<b>Overall Incidence</b>	Total	1/50 (2%) 2/100 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
<b>#Skin:</b>								
<b>Squamous Cell Papilloma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%
<b>#Skin:</b>								
<b>Squamous Cell Papilloma or Papilloma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%
<b>#Skin:</b>								
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>								
<b>Overall Incidence</b>	Total	1/50 (2%) 4/100 (4%)	3/50 (6%) Mean 4%	SD 2.83%	Total	3/50 (6%) 3/100 (3%)	0/50 (0%) Mean 3%	SD 4.24%
<b>#Skin:</b>								
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 2/100 (2%)	2/50 (4%) Mean 2%	SD 2.83%	Total	3/50 (6%) 3/100 (3%)	0/50 (0%) Mean 3%	SD 4.24%
<b>#Skin:</b>								
<b>Trichoepithelioma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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		Male				Female			
<b>#Skin: Sebaceous Gland:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Skin: Sebaceous Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Spinal Cord:</b>									
<b>Astrocytoma Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Spinal Cord:</b>									
<b>Astrocytoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Spinal Cord:</b>									
<b>Glioma Malignant</b>									
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	1/100	(1%)	Mean 1%	SD 1.41%
.....									
<b>*Spleen:</b>									
<b>Fibrosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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		Male				Female			
<b>*Spleen:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Spleen:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Spleen:</b>									
<b>Leiomyosarcoma</b>									
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Spleen:</b>									
<b>Sarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Stomach, Forestomach:</b>									
<b>Leiomyosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1% SD 1.41%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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	Male				Female			
<b>#Stomach, Forestomach:</b>								
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
.....								
<b>#Stomach, Forestomach:</b>								
<b>Squamous Cell Papilloma</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Stomach, Glandular:</b>								
<b>Carcinoma</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Stomach, Glandular:</b>								
<b>Carcinoma or Adenoma</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Stomach, Glandular:</b>								
<b>Lipoma</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Stomach, Glandular:</b>								
<b>Sarcoma</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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		Male				Female			
<b>*Testes:</b>									
<b>Adenoma</b>									
		45/50 (90%)	48/50 (96%)						
<b>Overall Incidence</b>	Total	93/100 (93%)	Mean 93%	SD 4.24%					
.....									
<b>*Testes:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)						
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%					
.....									
<b>*Thymus:</b>									
<b>Thymoma Benign</b>									
		0/50 (0%)	0/48 (0%)		0/48 (0%)	1/48 (2%)			
<b>Overall Incidence</b>	Total	0/98 (0%)	Mean 0%	SD 0%	Total	1/96 (1.04%)	Mean 1.04%	SD 1.47%	
.....									
<b>*Thymus:</b>									
<b>Thymoma Malignant</b>									
		0/50 (0%)	0/48 (0%)		1/48 (2%)	0/48 (0%)			
<b>Overall Incidence</b>	Total	0/98 (0%)	Mean 0%	SD 0%	Total	1/96 (1.04%)	Mean 1.04%	SD 1.47%	
.....									
<b>*Thymus:</b>									
<b>Thymoma NOS</b>									
		0/50 (0%)	0/48 (0%)		0/48 (0%)	0/48 (0%)			
<b>Overall Incidence</b>	Total	0/98 (0%)	Mean 0%	SD 0%	Total	0/96 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thymus:</b>									
<b>Thymoma: Benign, Malignant, NOS</b>									
		0/50 (0%)	0/48 (0%)		1/48 (2%)	1/48 (2%)			
<b>Overall Incidence</b>	Total	0/98 (0%)	Mean 0%	SD 0%	Total	2/96 (2.08%)	Mean 2.08%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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		Male				Female			
<b>*Thyroid Gland: C-Cell: Adenoma</b>									
Overall Incidence	Total	11/50 (22%)	1/50 (2%)	SD 14.14%	Total	6/50 (12%)	11/50 (22%)	SD 7.07%	
		12/100 (12%)	Mean 12%			17/100 (17%)	Mean 17%		
<b>*Thyroid Gland: C-Cell: Carcinoma</b>									
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	SD 0%	Total	0/50 (0%)	1/50 (2%)	SD 1.41%	
		0/100 (0%)	Mean 0%			1/100 (1%)	Mean 1%		
<b>*Thyroid Gland: C-Cell: Carcinoma or Adenoma</b>									
Overall Incidence	Total	11/50 (22%)	1/50 (2%)	SD 14.14%	Total	6/50 (12%)	12/50 (24%)	SD 8.49%	
		12/100 (12%)	Mean 12%			18/100 (18%)	Mean 18%		
<b>*Thyroid Gland: Follicular Cell: Adenoma</b>									
Overall Incidence	Total	0/50 (0%)	1/50 (2%)	SD 1.41%	Total	0/50 (0%)	1/50 (2%)	SD 1.41%	
		1/100 (1%)	Mean 1%			1/100 (1%)	Mean 1%		
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>									
Overall Incidence	Total	1/50 (2%)	2/50 (4%)	SD 1.41%	Total	0/50 (0%)	2/50 (4%)	SD 2.83%	
		3/100 (3%)	Mean 3%			2/100 (2%)	Mean 2%		
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>									
Overall Incidence	Total	1/50 (2%)	3/50 (6%)	SD 2.83%	Total	0/50 (0%)	2/50 (4%)	SD 2.83%	
		4/100 (4%)	Mean 4%			2/100 (2%)	Mean 2%		

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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		Male				Female			
<b>#Tissue NOS:</b>									
<b>Paranglioma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Tooth:</b>									
<b>Adamantinoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Tooth:</b>									
<b>Odontoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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		Male				Female			
<b>*Urinary Bladder:</b>									
<b>  Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Urinary Bladder:</b>									
<b>  Carcinoma or Papilloma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Urinary Bladder:</b>									
<b>  Hemangiosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Urinary Bladder:</b>									
<b>  Papilloma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Uterus:</b>									
<b>  Adenoma</b>									
						0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>						0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Uterus:</b>									
<b>  Carcinoma</b>									
						0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>						0/100	(0%)	Mean 0%	SD 0%
.....									

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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	Male	Female
<b>#Uterus:</b> Deciduoma Benign		
Overall Incidence	Total 0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0% SD 0%
<b>#Uterus:</b> Leiomyosarcoma		
Overall Incidence	Total 0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0% SD 0%
<b>#Uterus:</b> Polyp Stromal		
Overall Incidence	Total 8/50 (16%) 16/100 (16%)	8/50 (16%) Mean 16% SD 0%
<b>#Uterus:</b> Sarcoma		
Overall Incidence	Total 0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0% SD 0%
<b>#Uterus:</b> Sarcoma Stromal		
Overall Incidence	Total 0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0% SD 0%
<b>#Uterus:</b> Sarcoma Stromal or Polyp Stromal		
Overall Incidence	Total 8/50 (16%) 16/100 (16%)	8/50 (16%) Mean 16% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: GAVAGE  
 Vehicle: WATER

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		Male			Female				
<b>#Uterus:</b>									
Schwannoma Malignant									
Overall Incidence		Total	0/50 (0%) 0/100 (0%)	Mean 0%	Total	0/50 (0%) 0/100 (0%)	SD 0%		
.....									
<b>#Vagina:</b>									
Polyp									
Overall Incidence		Total	0/50 (0%) 0/100 (0%)	Mean 0%	Total	0/50 (0%) 0/100 (0%)	SD 0%		
.....									
<b>#Vagina:</b>									
Sarcoma									
Overall Incidence		Total	0/50 (0%) 0/100 (0%)	Mean 0%	Total	0/50 (0%) 0/100 (0%)	SD 0%		
.....									
<b>#Vagina:</b>									
Schwannoma Malignant									
Overall Incidence		Total	0/50 (0%) 0/100 (0%)	Mean 0%	Total	0/50 (0%) 0/100 (0%)	SD 0%		
.....									
<b>#Zymbal's Gland:</b>									
Adenoma									
Overall Incidence		Total	0/50 (0%) 0/100 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	Mean 0%	SD 0%
.....									
<b>#Zymbal's Gland:</b>									
Carcinoma									
Overall Incidence		Total	0/50 (0%) 0/100 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	Mean 0%	SD 0%
.....									

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F 344/N  
Length of Study: CHRONIC

**Toxicology Data Management System**  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: WATER

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Report Date: 05/18/2011

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	Male				Female			
<b>#Zymbal's Gland:</b>								
<b>Carcinoma or Adenoma</b>		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

---

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: May2011  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F 344/N  
Length of Study: CHRONIC

**Toxicology Data Management System**  
Tumor Incidence for Selected Control Animal Groups  
Route: INHALATION  
Vehicle: AIR

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**Study Summary**

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
<b>Male</b>							
Battelle Northwest	052001105	07/14/03	729	50(5)	23(678)	526.9	1-Bromopropane
Battelle Northwest	059901705	08/25/03	729	50(5)	28(686)	525.6	Diethylamine
Battelle Northwest	059302507	06/16/03	729	50(5)	20(668)	536.2	Tetralin
<b>Female</b>							
Battelle Northwest	052001105	07/14/03	730	50(5)	34(702)	386.5	1-Bromopropane
Battelle Northwest	059901705	08/25/03	730	50(5)	31(687)	378.3	Diethylamine
Battelle Northwest	059302507	06/16/03	730	50(5)	31(682)	370.8	Tetralin

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male			Female			
<b>#All Organs:</b>								
<b>Benign Tumors</b>								
		48/50 (96%)	44/50 (88%)	48/50 (96%)	45/50 (90%)	43/50 (86%)	40/50 (80%)	
<b>Overall Incidence</b>	Total	140/150 (93.33%)	Mean 93.33%	SD 4.62%	Total	128/150 (85.33%)	Mean 85.33%	SD 5.03%
.....								
<b>#All Organs:</b>								
<b>Malignant Tumors</b>								
		38/50 (76%)	31/50 (62%)	33/50 (66%)	26/50 (52%)	24/50 (48%)	25/50 (50%)	
<b>Overall Incidence</b>	Total	102/150 (68%)	Mean 68%	SD 7.21%	Total	75/150 (50%)	Mean 50%	SD 2%
.....								
<b>#All Organs:</b>								
<b>Malignant and Benign Tumors</b>								
		50/50 (100%)	49/50 (98%)	50/50 (100%)	49/50 (98%)	48/50 (96%)	46/50 (92%)	
<b>Overall Incidence</b>	Total	149/150 (99.33%)	Mean 99.33%	SD 1.15%	Total	143/150 (95.33%)	Mean 95.33%	SD 3.06%
.....								
<b>#All Organs:</b>								
<b>Hemangioma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#All Organs:</b>								
<b>Hemangiosarcoma</b>								
		0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#All Organs:</b>								
<b>Hemangiosarcoma or Hemangioma</b>								
		0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male			Female		
<b>#All Organs:</b>							
<b>Histiocytic Sarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	2/150 (1.33%)	Mean 1.33% SD 2.31%
.....							
<b>#All Organs:</b>							
<b>Leukemia: Erythrocytic</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>							
		29/50 (58%)	25/50 (50%)	25/50 (50%)	16/50 (32%)	15/50 (30%)	17/50 (34%)
<b>Overall Incidence</b>	Total	79/150 (52.67%)	Mean 52.67%	SD 4.62%	Total	48/150 (32%)	Mean 32% SD 2%
.....							
<b>#All Organs:</b>							
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Mesothelioma: Benign</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Mesothelioma: Benign, Malignant, NOS</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male				Female			
<b>#All Organs:</b>									
<b>Mesothelioma: Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Osteoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Osteosarcoma</b>									
		2/50 (4%)	0/50 (0%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	5/150 (3.33%)	Mean 3.33%	SD 3.06%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Osteosarcoma or Osteoma</b>									
		2/50 (4%)	0/50 (0%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	5/150 (3.33%)	Mean 3.33%	SD 3.06%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Cortex:</b>									
<b>Adenoma</b>									
		1/50 (2%)	1/50 (2%)	0/50 (0%)		3/50 (6%)	4/50 (8%)	8/50 (16%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	15/150 (10%)	Mean 10%	SD 5.29%	
.....									
<b>*Adrenal Cortex:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male				Female			
<b>*Adrenal Medulla: Ganglioneuroma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla: Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla: Pheochromocytoma Benign</b>									
		10/50 (20%)	7/50 (14%)	9/50 (18%)		2/50 (4%)	0/50 (0%)	2/50 (4%)	
<b>Overall Incidence</b>	Total	26/150 (17.33%)	Mean 17.33%	SD 3.06%	Total	4/150 (2.67%)	Mean 2.67%	SD 2.31%	
.....									
<b>*Adrenal Medulla: Pheochromocytoma Complex</b>									
		1/50 (2%)	2/50 (4%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 2%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>*Adrenal Medulla: Pheochromocytoma Malignant</b>									
		0/50 (0%)	1/50 (2%)	4/50 (8%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	5/150 (3.33%)	Mean 3.33%	SD 4.16%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>*Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS</b>									
		11/50 (22%)	10/50 (20%)	12/50 (24%)		3/50 (6%)	0/50 (0%)	3/50 (6%)	
<b>Overall Incidence</b>	Total	33/150 (22%)	Mean 22%	SD 2%	Total	6/150 (4%)	Mean 4%	SD 3.46%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male				Female					
<b>#Bone:</b>											
<b>Chordoma</b>											
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)		Mean 0.67%		SD 1.15%		Total		0/150 (0%)	
				Mean 0%						SD 0%	
.....											
<b>#Bone:</b>											
<b>Osteoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150 (0%)		Mean 0%		SD 0%		Total		0/150 (0%)	
				Mean 0%						SD 0%	
.....											
<b>#Bone:</b>											
<b>Osteosarcoma</b>											
		1/50	(2%)	0/50	(0%)	3/50	(6%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	4/150 (2.67%)		Mean 2.67%		SD 3.06%		Total		0/150 (0%)	
				Mean 0%						SD 0%	
.....											
<b>#Bone:</b>											
<b>Osteosarcoma or Osteoma</b>											
		1/50	(2%)	0/50	(0%)	3/50	(6%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	4/150 (2.67%)		Mean 2.67%		SD 3.06%		Total		0/150 (0%)	
				Mean 0%						SD 0%	
.....											
<b>*Brain:</b>											
<b>Astrocytoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150 (0%)		Mean 0%		SD 0%		Total		0/150 (0%)	
				Mean 0%						SD 0%	
.....											
<b>*Brain:</b>											
<b>Ependymoma Benign</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150 (0%)		Mean 0%		SD 0%		Total		0/150 (0%)	
				Mean 0%						SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male				Female					
<b>*Brain:</b>											
<b>Ependymoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Glioma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Glioma Benign</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Glioma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>*Brain:</b>											
<b>Granular Cell Tumor Benign</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Oligodendroglioma Benign</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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 Report Date: 05/18/2011

		Male				Female					
<b>*Brain:</b>											
<b>Oligodendroglioma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>*Brain:</b>											
<b>Osteosarcoma</b>											
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Schwannoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Clitoral/Preputial Gland:</b>											
<b>Adenoma</b>											
		4/50	(8%)	0/50	(0%)	0/50	(0%)	3/49	(6%)	1/50	(2%)
<b>Overall Incidence</b>	Total	4/150	(2.67%)	Mean 2.67%	SD 4.62%	Total	4/149	(2.68%)	Mean 2.71%	SD 3.12%	
.....											
<b>*Clitoral/Preputial Gland:</b>											
<b>Carcinoma</b>											
		2/50	(4%)	1/50	(2%)	0/50	(0%)	1/49	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	3/150	(2%)	Mean 2%	SD 2%	Total	5/149	(3.36%)	Mean 3.35%	SD 4.16%	
.....											

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male			Female			
<b>*Clitoral/Preputial Gland:</b>								
<b>Carcinoma or Adenoma</b>								
		6/50 (12%)	1/50 (2%)	0/50 (0%)	4/49 (8%)	1/50 (2%)	4/50 (8%)	
<b>Overall Incidence</b>	Total	7/150 (4.67%)	Mean 4.67%	SD 6.43%	Total	9/149 (6.04%)	Mean 6.05%	SD 3.51%
.....								
<b>*Clitoral/Preputial Gland:</b>								
<b>Sarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%
.....								
<b>#Ear:</b>								
<b>Neural Crest Tumor</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Esophagus:</b>								
<b>Lipoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Eye:</b>								
<b>Melanoma Benign</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Eye:</b>								
<b>Melanoma Malignant</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male				Female					
<b>#Eye:</b>											
<b>Schwannoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Harderian Gland:</b>											
<b>Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Harderian Gland:</b>											
<b>Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Harderian Gland:</b>											
<b>Carcinoma or Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Heart:</b>											
<b>Schwannoma Benign</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Heart:</b>											
<b>Schwannoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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 Report Date: 05/18/2011

		Male				Female					
<b>#Intestine Large: Colon/Rectum:</b>											
<b>Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Large: Colon/Rectum:</b>											
<b>Carcinoma or Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Large: Colon/Rectum:</b>											
<b>Hemangioma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Duodenum:</b>											
<b>Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Duodenum:</b>											
<b>Leiomyoma</b>											
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Duodenum:</b>											
<b>Schwannoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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 Report Date: 05/18/2011

		Male				Female					
<b>#Intestine Small: Ileum:</b>											
<b>Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Jejunum:</b>											
<b>Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Jejunum:</b>											
<b>Granular Cell Tumor Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Jejunum:</b>											
<b>Leiomyoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Jejunum:</b>											
<b>Leiomyosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Site Unspecified:</b>											
<b>Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male				Female					
<b>#Intestine Small: Site Unspecified: Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Site Unspecified: Carcinoma or Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Site Unspecified: Granular Cell Tumor Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Site Unspecified: Leiomyoma</b>											
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Site Unspecified: Leiomyosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Site Unspecified: Schwannoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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 Report Date: 05/18/2011

		Male				Female			
<b>*Islets, Pancreatic:</b>									
<b>Adenoma</b>									
		0/50 (0%)	6/50 (12%)	3/50 (6%)		0/50 (0%)	2/50 (4%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	9/150 (6%)	Mean 6%	SD 6%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	
.....									
<b>*Islets, Pancreatic:</b>									
<b>Carcinoma</b>									
		3/50 (6%)	1/50 (2%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	5/150 (3.33%)	Mean 3.33%	SD 2.31%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>*Islets, Pancreatic:</b>									
<b>Carcinoma or Adenoma</b>									
		3/50 (6%)	7/50 (14%)	4/50 (8%)		1/50 (2%)	2/50 (4%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	14/150 (9.33%)	Mean 9.33%	SD 4.16%	Total	3/150 (2%)	Mean 2%	SD 2%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium:</b>									
<b>Papilloma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/149 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male			Female		
<b>*Kidney: Renal Tubule: Adenoma</b>							
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/149 (0%)	Mean 0% SD 0%
.....							
<b>*Kidney: Renal Tubule: Carcinoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/149 (0.67%)	Mean 0.68% SD 1.18%
.....							
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>							
		1/50 (2%)	0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/149 (0.67%)	Mean 0.68% SD 1.18%
.....							
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0% SD 0%
.....							
<b>*Kidney: Renal Tubule: Lipoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0% SD 0%
.....							
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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 Report Date: 05/18/2011

		Male				Female			
<b>*Kidney: Renal Tubule:</b>									
<b>Mesenchymal Tumor Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule:</b>									
<b>Nephroblastoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Cholangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Adenoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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 Report Date: 05/18/2011

		Male			Female			
<b>*Liver:</b>								
<b>Hepatocellular Carcinoma</b>								
		2/50 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>*Liver:</b>								
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>								
		2/50 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>*Liver:</b>								
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>								
		2/50 (4%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 2%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%
.....								
<b>*Liver:</b>								
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>								
		2/50 (4%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 2%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%
.....								
<b>*Liver:</b>								
<b>Ito Cell Tumor Benign</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Lung:</b>								
<b>Alveolar/Bronchiolar Adenoma</b>								
		2/50 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male				Female			
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma</b>									
		1/50 (2%)	1/50 (2%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>									
		3/50 (6%)	1/50 (2%)	1/50 (2%)		2/50 (4%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	5/150 (3.33%)	Mean 3.33%	SD 2.31%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	
.....									
<b>*Lung:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Lung:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Lung:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Lymph Node:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male				Female					
<b>#Mammary Gland:</b>											
<b>Adenolipoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Mammary Gland:</b>											
<b>Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>#Mammary Gland:</b>											
<b>Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	4/50	(8%)	9/50	(18%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	16/150	(10.67%)	Mean 10.67%	SD 6.43%	
.....											
<b>#Mammary Gland:</b>											
<b>Carcinoma or Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	4/50	(8%)	10/50	(20%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	17/150	(11.33%)	Mean 11.33%	SD 7.57%	
.....											
<b>#Mammary Gland:</b>											
<b>Fibroadenoma</b>											
		2/50	(4%)	2/50	(4%)	1/50	(2%)	25/50	(50%)	27/50	(54%)
<b>Overall Incidence</b>	Total	5/150	(3.33%)	Mean 3.33%	SD 1.15%	Total	66/150	(44%)	Mean 44%	SD 14%	
.....											
<b>#Mammary Gland:</b>											
<b>Fibroma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male			Female		
<b>#Mammary Gland:</b>							
<b>Fibroma, Fibroadenoma or Adenoma</b>							
		2/50 (4%)	2/50 (4%)	1/50 (2%)	25/50 (50%)	27/50 (54%)	14/50 (28%)
<b>Overall Incidence</b>	Total	5/150 (3.33%)	Mean 3.33%	SD 1.15%	Total	66/150 (44%)	Mean 44%
						SD 14%	
.....							
<b>#Mammary Gland:</b>							
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>							
		2/50 (4%)	2/50 (4%)	1/50 (2%)	27/50 (54%)	30/50 (60%)	16/50 (32%)
<b>Overall Incidence</b>	Total	5/150 (3.33%)	Mean 3.33%	SD 1.15%	Total	73/150 (48.67%)	Mean 48.67%
						SD 14.74%	
.....							
<b>#Mesentery:</b>							
<b>Fibrous Histiocytoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%
						SD 0%	
.....							
<b>#Mesentery:</b>							
<b>Hemangiosarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%
						SD 0%	
.....							
<b>#Mesentery:</b>							
<b>Lipoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%
						SD 0%	
.....							
<b>#Mesentery:</b>							
<b>Schwannoma Malignant</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%
						SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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 Report Date: 05/18/2011

		Male				Female			
<b>*Nose:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Nose:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Papilloma Squamous or Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Oral Mucosa:</b>									
<b>Squamous Cell Carcinoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

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	Male				Female			
<b>#Oral Mucosa:</b>								
<b>Squamous Cell Papilloma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Ovary:</b>								
<b>Cystadenoma</b>								
						0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>					Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Ovary:</b>								
<b>Fibrosarcoma</b>								
						0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>					Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor Benign</b>								
						0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>					Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor Malignant</b>								
						0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>					Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>								
						0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>					Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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 Report Date: 05/18/2011

		Male			Female		
<b>*Ovary:</b>							
<b>Granulosa-Theca Tumor Benign</b>							
			0/50 (0%)		0/50 (0%)		0/50 (0%)
<b>Overall Incidence</b>		Total	0/150 (0%)		Mean 0%		SD 0%
.....							
<b>*Ovary:</b>							
<b>Granulosa-Theca Tumor Malignant</b>							
			2/50 (4%)		0/50 (0%)		0/50 (0%)
<b>Overall Incidence</b>		Total	2/150 (1.33%)		Mean 1.33%		SD 2.31%
.....							
<b>*Ovary:</b>							
<b>Schwannoma Malignant</b>							
			0/50 (0%)		0/50 (0%)		0/50 (0%)
<b>Overall Incidence</b>		Total	0/150 (0%)		Mean 0%		SD 0%
.....							
<b>*Ovary:</b>							
<b>Tubulostromal Adenoma</b>							
			0/50 (0%)		0/50 (0%)		0/50 (0%)
<b>Overall Incidence</b>		Total	0/150 (0%)		Mean 0%		SD 0%
.....							
<b>*Pancreas:</b>							
<b>Adenoma</b>							
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%
						SD 0%	
.....							
<b>*Pancreas:</b>							
<b>Carcinoma</b>							
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%
						SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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 Report Date: 05/18/2011

		Male			Female			
<b>*Pancreas:</b>								
<b>  Carcinoma or Adenoma</b>								
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Pancreas:</b>								
<b>  Mixed Tumor Benign</b>								
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Pancreas:</b>								
<b>  Mixed Tumor Malignant</b>								
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Parathyroid Gland:</b>								
<b>  Adenoma</b>								
		0/46 (0%)	0/48 (0%)	0/48 (0%)	0/47 (0%)	1/43 (2%)	0/49 (0%)	
<b>Overall Incidence</b>	Total	0/142 (0%)	Mean 0%	SD 0%	Total	1/139 (0.72%)	Mean 0.78%	SD 1.34%
.....								
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>								
<b>  Adenoma</b>								
		37/50 (74%)	31/50 (62%)	36/50 (72%)	35/50 (70%)	29/50 (58%)	36/49 (73%)	
<b>Overall Incidence</b>	Total	104/150 (69.33%)	Mean 69.33%	SD 6.43%	Total	100/149 (67.11%)	Mean 67.16%	SD 8.12%
.....								
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>								
<b>  Carcinoma</b>								
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/49 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	2/149 (1.34%)	Mean 1.33%	SD 2.31%
.....								

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male			Female			
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>								
<b>  Carcinoma or Adenoma</b>								
		37/50 (74%)	31/50 (62%)	37/50 (74%)	35/50 (70%)	31/50 (62%)	36/49 (73%)	
<b>Overall Incidence</b>	Total	105/150 (70%)	Mean 70%	SD 6.93%	Total	102/149 (68.46%)	Mean 68.49%	SD 5.88%
.....								
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>								
<b>  Ganglioneuroma</b>								
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/149 (0%)	Mean 0%	SD 0%
.....								
<b>*Pituitary Gland: Pars Intermedia:</b>								
<b>  Adenoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%
.....								
<b>*Pituitary Gland: Pars Intermedia:</b>								
<b>  Carcinoma or Adenoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%
.....								
<b>*Pituitary Gland: Pars Nervosa:</b>								
<b>  Craniopharyngioma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%
.....								
<b>*Prostate:</b>								
<b>  Adenoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)				
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%				

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male			Female		
<b>*Prostate:</b>							
<b>  Carcinoma or Adenoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%			
.....							
<b>*Salivary Glands:</b>							
<b>  Carcinoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>*Salivary Glands:</b>							
<b>  Carcinoma or Adenoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>*Salivary Glands:</b>							
<b>  Sarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>*Salivary Glands:</b>							
<b>  Schwannoma Malignant</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Seminal Vesicle:</b>							
<b>  Adenoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%			

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male				Female					
<b>#Skeletal Muscle:</b>											
<b>Fibrous Histiocytoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skeletal Muscle:</b>											
<b>Hemangiosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skeletal Muscle:</b>											
<b>Rhabdomyosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skeletal Muscle:</b>											
<b>Rhabdomyosarcoma or Rhabdomyoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
<b>Basal Cell Adenoma</b>											
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
<b>Basal Cell Adenoma or Basosquamous Tumor Benign</b>											
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male				Female			
<b>#Skin:</b>									
<b>Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma</b>									
		0/50 (0%)	1/50 (2%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	4/150 (2.67%)	Mean 2.67%	SD 3.06%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>									
		0/50 (0%)	1/50 (2%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	4/150 (2.67%)	Mean 2.67%	SD 3.06%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>									
		0/50 (0%)	1/50 (2%)	4/50 (8%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	5/150 (3.33%)	Mean 3.33%	SD 4.16%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>									
		1/50 (2%)	1/50 (2%)	5/50 (10%)		1/50 (2%)	1/50 (2%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	7/150 (4.67%)	Mean 4.67%	SD 4.62%	Total	3/150 (2%)	Mean 2%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Fibroma</b>									
		3/50 (6%)	1/50 (2%)	3/50 (6%)		2/50 (4%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	7/150 (4.67%)	Mean 4.67%	SD 2.31%	Total	3/150 (2%)	Mean 2%	SD 2%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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	Male					Female				
<b>#Skin:</b>										
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>										
		3/50 (6%)	2/50 (4%)	6/50 (12%)		2/50 (4%)	1/50 (2%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	11/150 (7.33%)	Mean 7.33%	SD 4.16%	Total	3/150 (2%)	Mean 2%	SD 2%		
.....										
<b>#Skin:</b>										
<b>Fibrosarcoma</b>										
		0/50 (0%)	0/50 (0%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 3.46%	Total	0/150 (0%)	Mean 0%	SD 0%		
.....										
<b>#Skin:</b>										
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>										
		0/50 (0%)	1/50 (2%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	4/150 (2.67%)	Mean 2.67%	SD 3.06%	Total	0/150 (0%)	Mean 0%	SD 0%		
.....										
<b>#Skin:</b>										
<b>Fibrous Histiocytoma</b>										
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%		
.....										
<b>#Skin:</b>										
<b>Hemangioma</b>										
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		
.....										
<b>#Skin:</b>										
<b>Hemangiosarcoma</b>										
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%		

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male			Female			
<b>#Skin:</b>								
<b>Keratoacanthoma</b>								
		0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%
.....								
<b>#Skin:</b>								
<b>Lipoma</b>								
		2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Liposarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Neural Crest Tumor</b>								
		1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>#Skin:</b>								
<b>Neural Crest Tumor, Malignant</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Neurofibroma or Schwannoma benign</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male			Female			
<b>#Skin:</b>								
<b>Neurofibrosarcoma or Schwannoma (malignant or NOS)</b>								
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>								
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Sarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Schwannoma Benign</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Schwannoma Malignant</b>								
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Squamous Cell Carcinoma</b>								
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

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		Male			Female			
<b>#Skin:</b>								
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>								
<b>Overall Incidence</b>	Total	1/50 (2%) 5/150 (3.33%)	1/50 (2%) Mean 3.33%	3/50 (6%) SD 2.31%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
<b>#Skin:</b>								
<b>Squamous Cell Papilloma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
<b>#Skin:</b>								
<b>Squamous Cell Papilloma or Papilloma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
<b>#Skin:</b>								
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>								
<b>Overall Incidence</b>	Total	1/50 (2%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	1/50 (2%) SD 1.15%	Total	1/50 (2%) 3/150 (2%)	1/50 (2%) Mean 2%	1/50 (2%) SD 0%
<b>#Skin:</b>								
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	1/50 (2%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	0/50 (0%) SD 1.15%
<b>#Skin:</b>								
<b>Trichoepithelioma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male				Female					
<b>#Skin: Sebaceous Gland:</b>											
<b>Adenoma</b>											
		0/50	(0%)	1/50	(2%)	2/50	(4%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	3/150	(2%)	Mean 2%		SD 2%		Total	0/150	(0%)	Mean 0%
											SD 0%
.....											
<b>#Skin: Sebaceous Gland:</b>											
<b>Carcinoma or Adenoma</b>											
		0/50	(0%)	1/50	(2%)	2/50	(4%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	3/150	(2%)	Mean 2%		SD 2%		Total	0/150	(0%)	Mean 0%
											SD 0%
.....											
<b>#Spinal Cord:</b>											
<b>Astrocytoma Benign</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%		SD 0%		Total	0/150	(0%)	Mean 0%
											SD 0%
.....											
<b>#Spinal Cord:</b>											
<b>Astrocytoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%		SD 0%		Total	0/150	(0%)	Mean 0%
											SD 0%
.....											
<b>#Spinal Cord:</b>											
<b>Glioma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%		SD 0%		Total	0/150	(0%)	Mean 0%
											SD 0%
.....											
<b>*Spleen:</b>											
<b>Fibrosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%		SD 0%		Total	0/150	(0%)	Mean 0%
											SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male				Female					
<b>*Spleen:</b>											
<b>Fibrous Histiocytoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Spleen:</b>											
<b>Hemangiosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Spleen:</b>											
<b>Leiomyosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Spleen:</b>											
<b>Sarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Stomach, Forestomach:</b>											
<b>Leiomyosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Stomach, Forestomach:</b>											
<b>Squamous Cell Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male				Female					
<b>#Stomach, Forestomach:</b>											
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Stomach, Forestomach:</b>											
<b>Squamous Cell Papilloma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Stomach, Glandular:</b>											
<b>Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Stomach, Glandular:</b>											
<b>Carcinoma or Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Stomach, Glandular:</b>											
<b>Lipoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Stomach, Glandular:</b>											
<b>Sarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male			Female		
<b>*Testes:</b>							
<b>Adenoma</b>							
		34/50 (68%)	36/50 (72%)	29/50 (58%)			
<b>Overall Incidence</b>	Total	99/150 (66%)	Mean 66%	SD 7.21%			
.....							
<b>*Testes:</b>							
<b>Hemangioma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%			
.....							
<b>*Thymus:</b>							
<b>Thymoma Benign</b>							
		0/43 (0%)	0/44 (0%)	0/47 (0%)	1/46 (2%)	0/48 (0%)	0/44 (0%)
<b>Overall Incidence</b>	Total	0/134 (0%)	Mean 0%	SD 0%	Total 1/138 (0.72%)	Mean 0.72%	SD 1.26%
.....							
<b>*Thymus:</b>							
<b>Thymoma Malignant</b>							
		0/43 (0%)	0/44 (0%)	0/47 (0%)	0/46 (0%)	0/48 (0%)	0/44 (0%)
<b>Overall Incidence</b>	Total	0/134 (0%)	Mean 0%	SD 0%	Total 0/138 (0%)	Mean 0%	SD 0%
.....							
<b>*Thymus:</b>							
<b>Thymoma NOS</b>							
		0/43 (0%)	0/44 (0%)	0/47 (0%)	0/46 (0%)	1/48 (2%)	0/44 (0%)
<b>Overall Incidence</b>	Total	0/134 (0%)	Mean 0%	SD 0%	Total 1/138 (0.72%)	Mean 0.69%	SD 1.2%
.....							
<b>*Thymus:</b>							
<b>Thymoma: Benign, Malignant, NOS</b>							
		0/43 (0%)	0/44 (0%)	0/47 (0%)	1/46 (2%)	1/48 (2%)	0/44 (0%)
<b>Overall Incidence</b>	Total	0/134 (0%)	Mean 0%	SD 0%	Total 2/138 (1.45%)	Mean 1.42%	SD 1.23%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male			Female			
<b>*Thyroid Gland: C-Cell: Adenoma</b>								
		5/50 (10%)	7/50 (14%)	5/50 (10%)	3/50 (6%)	4/50 (8%)	3/50 (6%)	
<b>Overall Incidence</b>	Total	17/150 (11.33%)	Mean 11.33%	SD 2.31%	Total	10/150 (6.67%)	Mean 6.67%	SD 1.15%
.....								
<b>*Thyroid Gland: C-Cell: Carcinoma</b>								
		4/50 (8%)	1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	7/150 (4.67%)	Mean 4.67%	SD 3.06%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>*Thyroid Gland: C-Cell: Carcinoma or Adenoma</b>								
		9/50 (18%)	8/50 (16%)	6/50 (12%)	4/50 (8%)	4/50 (8%)	3/50 (6%)	
<b>Overall Incidence</b>	Total	23/150 (15.33%)	Mean 15.33%	SD 3.06%	Total	11/150 (7.33%)	Mean 7.33%	SD 1.15%
.....								
<b>*Thyroid Gland: Follicular Cell: Adenoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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		Male				Female					
<b>#Tissue NOS:</b>											
<b>Paraganglioma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Tongue:</b>											
<b>Squamous Cell Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>#Tongue:</b>											
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>#Tongue:</b>											
<b>Squamous Cell Papilloma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Tooth:</b>											
<b>Adamantinoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Tooth:</b>											
<b>Odontoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

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		Male				Female			
<b>*Urinary Bladder: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Urinary Bladder: Carcinoma or Papilloma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Urinary Bladder: Hemangiosarcoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Urinary Bladder: Papilloma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus: Adenoma</b>									
						0/50 (0%)	1/50 (2%)	1/50 (2%)	
<b>Overall Incidence</b>	Total				Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	
.....									
<b>#Uterus: Carcinoma</b>									
						0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total				Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
 Vehicle: AIR

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	Male	Female
<b>#Uterus:</b>		
<b>Deciduoma Benign</b>		
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total 0/150 (0%)	Mean 0% SD 0%
.....		
<b>#Uterus:</b>		
<b>Leiomyosarcoma</b>		
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total 0/150 (0%)	Mean 0% SD 0%
.....		
<b>#Uterus:</b>		
<b>Polyp Stromal</b>		
	8/50 (16%)	8/50 (16%)
<b>Overall Incidence</b>	Total 22/150 (14.67%)	Mean 14.67% SD 2.31%
.....		
<b>#Uterus:</b>		
<b>Sarcoma</b>		
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total 0/150 (0%)	Mean 0% SD 0%
.....		
<b>#Uterus:</b>		
<b>Sarcoma Stromal</b>		
	2/50 (4%)	0/50 (0%)
<b>Overall Incidence</b>	Total 2/150 (1.33%)	Mean 1.33% SD 2.31%
.....		
<b>#Uterus:</b>		
<b>Sarcoma Stromal or Polyp Stromal</b>		
	10/50 (20%)	8/50 (16%)
<b>Overall Incidence</b>	Total 24/150 (16%)	Mean 16% SD 4%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: INHALATION  
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		Male			Female		
<b>#Uterus:</b>							
<b>Schwannoma Malignant</b>							
			0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>		Total	0/150 (0%)		Mean 0%	SD 0%	
.....							
<b>#Vagina:</b>							
<b>Polyp</b>							
			0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>		Total	0/150 (0%)		Mean 0%	SD 0%	
.....							
<b>#Vagina:</b>							
<b>Sarcoma</b>							
			1/50 (2%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>		Total	1/150 (0.67%)		Mean 0.67%	SD 1.15%	
.....							
<b>#Vagina:</b>							
<b>Schwannoma Malignant</b>							
			0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>		Total	0/150 (0%)		Mean 0%	SD 0%	
.....							
<b>#Zymbal's Gland:</b>							
<b>Adenoma</b>							
		0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	0/150 (0%)	Mean 0%
.....							
<b>#Zymbal's Gland:</b>							
<b>Carcinoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	2/150 (1.33%)	Mean 1.33%
.....							

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F 344/N  
Length of Study: CHRONIC

**Toxicology Data Management System**  
Tumor Incidence for Selected Control Animal Groups  
**Route: INHALATION**  
**Vehicle: AIR**

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					<b>Male</b>					<b>Female</b>				
<b>#Zymbal's Gland:</b>														
<b>Carcinoma or Adenoma</b>														
		0/50	(0%)	2/50	(4%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	1/50	(2%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)		Mean	1.33%	SD	2.31%	Total	2/150 (1.33%)		Mean	1.33%	SD	1.15%

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\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: FEED

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**Study Summary**

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
<b>Male</b>							
Southern Research Institute	059902703	08/12/02	729	50(3)	37(705)	452.8	Chromium picolinate monohydrate
Battelle Columbus Laboratory	050517405	08/05/02	729	50(3)	33(703)	510.0	Cresols
Southern Research Institute	059900705	04/21/03	729	50(3)	33(679)	460.9	Goldenseal root powder
Southern Research Institute	052000803	03/04/03	729	50(3)	36(704)	452.1	Milk thistle extract
<b>Female</b>							
Southern Research Institute	059902703	08/12/02	733	50(5)	36(702)	314.7	Chromium picolinate monohydrate
Battelle Columbus Laboratory	050517405	N/A	N/A	0(0)	0(0)	N/A	Cresols
Southern Research Institute	059900705	04/21/03	731	50(5)	30(699)	326.0	Goldenseal root powder
Southern Research Institute	052000803	03/04/03	732	50(5)	38(693)	328.4	Milk thistle extract

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male			Female		
<b>#All Organs:</b>							
<b>Benign Tumors</b>							
		49/50 (98%)	50/50 (100%)	47/50 (94%)	45/50 (90%)	46/50 (92%)	
		50/50 (100%)			39/50 (78%)		
<b>Overall Incidence</b>	Total	196/200 (98%)	Mean 98%	SD 2.83%	Total 130/150 (86.67%)	Mean 86.67%	SD 7.57%
.....							
<b>#All Organs:</b>							
<b>Malignant Tumors</b>							
		27/50 (54%)	23/50 (46%)	29/50 (58%)	15/50 (30%)	19/50 (38%)	
		26/50 (52%)			18/50 (36%)		
<b>Overall Incidence</b>	Total	105/200 (52.5%)	Mean 52.5%	SD 5%	Total 52/150 (34.67%)	Mean 34.67%	SD 4.16%
.....							
<b>#All Organs:</b>							
<b>Malignant and Benign Tumors</b>							
		50/50 (100%)	50/50 (100%)	50/50 (100%)	47/50 (94%)	48/50 (96%)	
		50/50 (100%)			46/50 (92%)		
<b>Overall Incidence</b>	Total	200/200 (100%)	Mean 100%	SD 0%	Total 141/150 (94%)	Mean 94%	SD 2%
.....							
<b>#All Organs:</b>							
<b>Hemangioma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total 0/150 (0%)	Mean 0%	SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangiosarcoma</b>							
		2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 2%	Total 0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#All Organs:</b>									
<b>Hemangiosarcoma or Hemangioma</b>									
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Histiocytic Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)		1/50 (2%)	
		3/50 (6%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 3%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	
.....									
<b>#All Organs:</b>									
<b>Leukemia: Erythrocytic</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#All Organs:</b>									
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>									
		19/50 (38%)	15/50 (30%)	21/50 (42%)		9/50 (18%)		9/50 (18%)	
		17/50 (34%)				6/50 (12%)			
<b>Overall Incidence</b>	Total	72/200 (36%)	Mean 36%	SD 5.16%	Total	24/150 (16%)	Mean 16%	SD 3.46%	
.....									
<b>#All Organs:</b>									
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#All Organs:</b>									
<b>Mesothelioma: Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Mesothelioma: Benign, Malignant, NOS</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Mesothelioma: Malignant</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Osteoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Osteosarcoma</b>									
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 2%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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 Route: ORAL  
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		Male				Female			
<b>#All Organs:</b>									
<b>Osteosarcoma or Osteoma</b>									
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Cortex:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		2/50 (4%)	1/50 (2%)		
		2/50 (4%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 2%	Total	3/148 (2.03%)	Mean 2%	SD 2%	
.....									
<b>*Adrenal Cortex:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/148 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Ganglioneuroma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/48 (0%)		
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/146 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/48 (0%)		
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/146 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
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		Male			Female		
<b>*Adrenal Medulla:</b>							
<b>Pheochromocytoma Benign</b>							
		8/50 (16%)	8/50 (16%)	5/49 (10%)	1/50 (2%)	0/48 (0%)	
		5/50 (10%)			1/48 (2%)		
<b>Overall Incidence</b>	Total	26/199 (13.07%)	Mean 13.05%	SD 3.41%	Total	2/146 (1.37%)	Mean 1.36% SD 1.18%
.....							
<b>*Adrenal Medulla:</b>							
<b>Pheochromocytoma Complex</b>							
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/48 (0%)	
		1/50 (2%)			1/48 (2%)		
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	1/146 (0.68%)	Mean 0.69% SD 1.2%
.....							
<b>*Adrenal Medulla:</b>							
<b>Pheochromocytoma Malignant</b>							
		3/50 (6%)	0/50 (0%)	1/49 (2%)	2/50 (4%)	0/48 (0%)	
		0/50 (0%)			0/48 (0%)		
<b>Overall Incidence</b>	Total	4/199 (2.01%)	Mean 2.01%	SD 2.83%	Total	2/146 (1.37%)	Mean 1.33% SD 2.31%
.....							
<b>*Adrenal Medulla:</b>							
<b>Pheochromocytoma: Benign, Complex, Malignant, NOS</b>							
		11/50 (22%)	8/50 (16%)	6/49 (12%)	3/50 (6%)	0/48 (0%)	
		6/50 (12%)			2/48 (4%)		
<b>Overall Incidence</b>	Total	31/199 (15.58%)	Mean 15.56%	SD 4.67%	Total	5/146 (3.42%)	Mean 3.39% SD 3.07%
.....							
<b>#Bone:</b>							
<b>Chordoma</b>							
		0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	0/150 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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**Route: ORAL**  
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		Male				Female			
<b>#Bone:</b>									
<b>Osteoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Bone:</b>									
<b>Osteosarcoma</b>									
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 2%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Bone:</b>									
<b>Osteosarcoma or Osteoma</b>									
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)		0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Astrocytoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Ependymoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Brain:</b>									
<b>Ependymoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.51%	SD 1.02%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Glioma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Glioma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Glioma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Granular Cell Tumor Benign</b>									
		2/50 (4%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1%	SD 2%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Brain:</b>									
<b>Oligodendroglioma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>*Brain:</b>									
<b>Osteosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
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		Male				Female			
<b>*Clitoral/Preputial Gland:</b>									
<b>Adenoma</b>									
		1/50 (2%)	5/50 (10%)	0/50 (0%)		10/50 (20%)	5/50 (10%)		
		1/50 (2%)				11/50 (22%)			
<b>Overall Incidence</b>	Total	7/200 (3.5%)	Mean 3.5%	SD 4.43%	Total	26/150 (17.33%)	Mean 17.33%	SD 6.43%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	4/50 (8%)		
		2/50 (4%)				3/50 (6%)			
<b>Overall Incidence</b>	Total	4/200 (2%)	Mean 2%	SD 2.31%	Total	7/150 (4.67%)	Mean 4.67%	SD 4.16%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		1/50 (2%)	5/50 (10%)	2/50 (4%)		10/50 (20%)	9/50 (18%)		
		3/50 (6%)				14/50 (28%)			
<b>Overall Incidence</b>	Total	11/200 (5.5%)	Mean 5.5%	SD 3.42%	Total	33/150 (22%)	Mean 22%	SD 5.29%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Ear:</b>									
<b>Neural Crest Tumor</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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		Male				Female			
<b>#Esophagus:</b>									
<b>Lipoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)		0/50 (0%)
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0% SD 0%
.....									
<b>#Eye:</b>									
<b>Melanoma Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)		0/50 (0%)
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0% SD 0%
.....									
<b>#Eye:</b>									
<b>Melanoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)		0/50 (0%)
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0% SD 0%
.....									
<b>#Eye:</b>									
<b>Schwannoma Malignant</b>									
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)		0/50 (0%)
<b>Overall Incidence</b>	Total	1/200	(0.5%)	Mean 0.5%	SD 1%	Total	0/150	(0%)	Mean 0% SD 0%
.....									
<b>#Harderian Gland:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)		0/50 (0%)
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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		Male				Female			
<b>#Harderian Gland:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Harderian Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Heart:</b>									
<b>Schwannoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Heart:</b>									
<b>Schwannoma Malignant</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Adenoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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		Male				Female			
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Carcinoma or Adenoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Duodenum:</b>									
<b>Carcinoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Duodenum:</b>									
<b>Leiomyoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Duodenum:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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		Male				Female			
<b>#Intestine Small: Ileum:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)		0/50 (0%)
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)		0/50 (0%)
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Granular Cell Tumor Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)		0/50 (0%)
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)		0/50 (0%)
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)		0/50 (0%)
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Intestine Small: Site Unspecified:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Carcinoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Carcinoma or Adenoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Granular Cell Tumor Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Leiomyoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Intestine Small: Site Unspecified:</b>									
<b>Leiomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Islets, Pancreatic:</b>									
<b>Adenoma</b>									
		1/50 (2%)	1/49 (2%)	7/50 (14%)		2/49 (4%)		0/49 (0%)	
		3/50 (6%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	12/199 (6.03%)	Mean 6.01%	SD 5.65%	Total	2/146 (1.37%)	Mean 1.36%	SD 2.36%	
.....									
<b>*Islets, Pancreatic:</b>									
<b>Carcinoma</b>									
		1/50 (2%)	1/49 (2%)	0/50 (0%)		0/49 (0%)		0/49 (0%)	
		1/50 (2%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.51%	SD 1.01%	Total	0/146 (0%)	Mean 0%	SD 0%	
.....									
<b>*Islets, Pancreatic:</b>									
<b>Carcinoma or Adenoma</b>									
		2/50 (4%)	2/49 (4%)	7/50 (14%)		2/49 (4%)		0/49 (0%)	
		4/50 (8%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	15/199 (7.54%)	Mean 7.52%	SD 4.71%	Total	2/146 (1.37%)	Mean 1.36%	SD 2.36%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/47 (0%)		0/49 (0%)	
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/144 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/47 (0%)		0/49 (0%)	
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/144 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium: Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)		0/49 (0%)	
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)		0/49 (0%)	
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)		0/49 (0%)	
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)	0/49 (0%)		
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)	0/49 (0%)		
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)	0/49 (0%)		
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)	0/49 (0%)		
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)	0/49 (0%)		
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: FEED

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		Male				Female			
<b>*Kidney: Renal Tubule:</b>									
<b>  Nephroblastoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)			0/47 (0%)	0/49 (0%)	
		0/50 (0%)					0/48 (0%)		
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule:</b>									
<b>  Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)			0/47 (0%)	1/49 (2%)	
		0/50 (0%)					0/48 (0%)		
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/144 (0.69%)	Mean 0.68%	SD 1.18%	
.....									
<b>*Liver:</b>									
<b>  Cholangioma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
		1/50 (2%)					0/50 (0%)		
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>  Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
		0/50 (0%)					0/50 (0%)		
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>  Hepatocellular Adenoma</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)			2/50 (4%)	0/50 (0%)	
		3/50 (6%)					2/50 (4%)		
<b>Overall Incidence</b>	Total	5/200 (2.5%)	Mean 2.5%	SD 2.52%	Total	4/150 (2.67%)	Mean 2.67%	SD 2.31%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)		2/50 (4%)		0/50 (0%)	
		3/50 (6%)				2/50 (4%)			
<b>Overall Incidence</b>	Total	5/200 (2.5%)	Mean 2.5%	SD 2.52%	Total	4/150 (2.67%)	Mean 2.67%	SD 2.31%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)		2/50 (4%)		0/50 (0%)	
		3/50 (6%)				2/50 (4%)			
<b>Overall Incidence</b>	Total	5/200 (2.5%)	Mean 2.5%	SD 2.52%	Total	4/150 (2.67%)	Mean 2.67%	SD 2.31%	
.....									
<b>*Liver:</b>									
<b>Ito Cell Tumor Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Adenoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	1/50 (2%)		
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)		
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>									
		0/50 (0%)	1/50 (2%)	1/50 (2%)		1/50 (2%)	1/50 (2%)		
		1/50 (2%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1%	Total	3/150 (2%)	Mean 2%	SD 0%	
.....									
<b>*Lung:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Lung:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: FEED

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		Male				Female			
<b>*Lung:</b>									
<b>Squamous Cell Carcinoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Lymph Node:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland:</b>									
<b>Adenolipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland:</b>									
<b>Adenoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)		2/50 (4%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	3/150 (2%)	Mean 2%	SD 2%	
.....									
<b>#Mammary Gland:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		4/50 (8%)	
		0/50 (0%)				4/50 (8%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	8/150 (5.33%)	Mean 5.33%	SD 4.62%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Mammary Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)		6/50 (12%)	
		0/50 (0%)				4/50 (8%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	11/150 (7.33%)	Mean 7.33%	SD 5.03%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroadenoma</b>									
		2/50 (4%)	0/50 (0%)	1/50 (2%)		29/50 (58%)		30/50 (60%)	
		0/50 (0%)				28/50 (56%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	Total	87/150 (58%)	Mean 58%	SD 2%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma or Adenoma</b>									
		2/50 (4%)	1/50 (2%)	1/50 (2%)		30/50 (60%)		30/50 (60%)	
		0/50 (0%)				28/50 (56%)			
<b>Overall Incidence</b>	Total	4/200 (2%)	Mean 2%	SD 1.63%	Total	88/150 (58.67%)	Mean 58.67%	SD 2.31%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>									
		2/50 (4%)	1/50 (2%)	1/50 (2%)		30/50 (60%)		31/50 (62%)	
		0/50 (0%)				28/50 (56%)			
<b>Overall Incidence</b>	Total	4/200 (2%)	Mean 2%	SD 1.63%	Total	89/150 (59.33%)	Mean 59.33%	SD 3.06%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: FEED

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		Male				Female			
<b>#Mesentery:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Hemangiosarcoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Nose:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Nose:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Papilloma Squamous or Papilloma</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	1/50 (2%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>									
		1/50 (2%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	1/50 (2%)	1/50 (2%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	4/200 (2%)	Mean 2%	SD 1.63%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Oral Mucosa:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Oral Mucosa:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary:</b>									
<b>Cystadenoma</b>									
						0/50 (0%)		0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary:</b>									
<b>Fibrosarcoma</b>									
						0/50 (0%)		0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary:</b>									
<b>Granulosa Cell Tumor Benign</b>									
						0/50 (0%)		0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary:</b>									
<b>Granulosa Cell Tumor Malignant</b>									
						0/50 (0%)		0/50 (0%)	
						2/50 (4%)			
<b>Overall Incidence</b>	Total				Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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	Male		Female
<b>*Ovary:</b>			
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>			
		0/50 (0%)	0/50 (0%)
		2/50 (4%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33% SD 2.31%
.....			
<b>*Ovary:</b>			
<b>Granulosa-Theca Tumor Benign</b>			
		1/50 (2%)	0/50 (0%)
		0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67% SD 1.15%
.....			
<b>*Ovary:</b>			
<b>Granulosa-Theca Tumor Malignant</b>			
		0/50 (0%)	0/50 (0%)
		0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0% SD 0%
.....			
<b>*Ovary:</b>			
<b>Schwannoma Malignant</b>			
		0/50 (0%)	0/50 (0%)
		0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0% SD 0%
.....			
<b>*Ovary:</b>			
<b>Tubulostromal Adenoma</b>			
		0/50 (0%)	0/50 (0%)
		0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Pancreas:</b>									
<b>Adenoma</b>									
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/49 (0%)	
		2/50 (4%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	2/198 (1.01%)	Mean 1%	SD 2%	Total	0/146 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Carcinoma</b>									
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/146 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Carcinoma or Adenoma</b>									
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/49 (0%)	
		2/50 (4%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	2/198 (1.01%)	Mean 1%	SD 2%	Total	0/146 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Mixed Tumor Benign</b>									
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/146 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Mixed Tumor Malignant</b>									
		0/49 (0%)	0/49 (0%)	1/50 (2%)		0/49 (0%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	1/198 (0.51%)	Mean 0.5%	SD 1%	Total	0/146 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Parathyroid Gland:</b>									
<b>Adenoma</b>									
		1/45 (2%)	1/46 (2%)	0/49 (0%)		0/48 (0%)		0/49 (0%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	Total	2/190 (1.05%)	Mean 1.1%	SD 1.27%	Total	0/146 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Adenoma</b>									
		10/50 (20%)	20/50 (40%)	8/50 (16%)		24/49 (49%)		25/50 (50%)	
		13/50 (26%)				20/50 (40%)			
<b>Overall Incidence</b>	Total	51/200 (25.5%)	Mean 25.5%	SD 10.5%	Total	69/149 (46.31%)	Mean 46.33%	SD 5.5%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/49 (2%)		0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	2/149 (1.34%)	Mean 1.35%	SD 1.17%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma or Adenoma</b>									
		10/50 (20%)	20/50 (40%)	8/50 (16%)		25/49 (51%)		25/50 (50%)	
		13/50 (26%)				21/50 (42%)			
<b>Overall Incidence</b>	Total	51/200 (25.5%)	Mean 25.5%	SD 10.5%	Total	71/149 (47.65%)	Mean 47.67%	SD 4.94%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Ganglioneuroma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>Adenoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/49 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/149 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/49 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/149 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Nervosa:</b>									
<b>Craniopharyngioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%	
.....									
<b>*Prostate:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)					
		0/50 (0%)							
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%					
.....									
<b>*Prostate:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)					
		0/50 (0%)							
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%					

#: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
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		Male				Female			
<b>*Salivary Glands:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/48 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/197 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Salivary Glands:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/48 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/197 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Salivary Glands:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/48 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/197 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Salivary Glands:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/48 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/197 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Seminal Vesicle:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
		0/50 (0%)							
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%					

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Skeletal Muscle:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma or Rhabdomyoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Skin:</b>									
<b>Basal Cell Adenoma or Basosquamous Tumor Benign</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		1/50 (2%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
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	Male				Female			
<b>#Skin:</b>								
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>								
		4/50 (8%)	1/50 (2%)	2/50 (4%)		0/50 (0%)		1/50 (2%)
		6/50 (12%)				1/50 (2%)		
<b>Overall Incidence</b>	Total	13/200 (6.5%)	Mean 6.5%	SD 4.43%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%
.....								
<b>#Skin:</b>								
<b>Fibroma</b>								
		4/50 (8%)	1/50 (2%)	5/50 (10%)		0/50 (0%)		1/50 (2%)
		3/50 (6%)				1/50 (2%)		
<b>Overall Incidence</b>	Total	13/200 (6.5%)	Mean 6.5%	SD 3.42%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%
.....								
<b>#Skin:</b>								
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>								
		4/50 (8%)	4/50 (8%)	5/50 (10%)		0/50 (0%)		3/50 (6%)
		4/50 (8%)				1/50 (2%)		
<b>Overall Incidence</b>	Total	17/200 (8.5%)	Mean 8.5%	SD 1%	Total	4/150 (2.67%)	Mean 2.67%	SD 3.06%
.....								
<b>#Skin:</b>								
<b>Fibrosarcoma</b>								
		0/50 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%)		0/50 (0%)
		0/50 (0%)				1/50 (2%)		
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 2%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>#Skin:</b>								
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>								
		0/50 (0%)	3/50 (6%)	0/50 (0%)		0/50 (0%)		2/50 (4%)
		1/50 (2%)				1/50 (2%)		
<b>Overall Incidence</b>	Total	4/200 (2%)	Mean 2%	SD 2.83%	Total	3/150 (2%)	Mean 2%	SD 2%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Skin:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Keratoacanthoma</b>									
		3/50 (6%)	1/50 (2%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		4/50 (8%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	10/200 (5%)	Mean 5%	SD 2.58%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Lipoma</b>									
		0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Skin:</b>									
<b>Liposarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neural Crest Tumor</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)		
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Neural Crest Tumor, Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neurofibroma or Schwannoma benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neurofibrosarcoma or Schwannoma (malignant or NOS)</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Skin:</b>									
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	2/50 (4%)		
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	
.....									
<b>#Skin:</b>									
<b>Schwannoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
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		Male				Female			
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		2/50 (4%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 2%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma or Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>									
		3/50 (6%)	1/50 (2%)	2/50 (4%)		0/50 (0%)		0/50 (0%)	
		6/50 (12%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	12/200 (6%)	Mean 6%	SD 4.32%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>									
		3/50 (6%)	1/50 (2%)	2/50 (4%)		0/50 (0%)		0/50 (0%)	
		5/50 (10%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	11/200 (5.5%)	Mean 5.5%	SD 3.42%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: FEED

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		Male				Female					
<b>#Skin:</b>											
<b>Trichoepithelioma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/50	(0%)					0/50	(0%)		
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>#Skin: Sebaceous Gland:</b>											
<b>Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)					0/50	(0%)		
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin: Sebaceous Gland:</b>											
<b>Carcinoma or Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)					0/50	(0%)		
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Spinal Cord:</b>											
<b>Astrocytoma Benign</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)					0/50	(0%)		
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Spinal Cord:</b>											
<b>Astrocytoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)					0/50	(0%)		
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Spinal Cord:</b>									
<b>    Glioma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>    Fibrosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/148 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>    Fibrous Histiocytoma</b>									
		0/50 (0%)	0/49 (0%)	1/49 (2%)		0/50 (0%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	Total	1/198 (0.51%)	Mean 0.51%	SD 1.02%	Total	0/148 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>    Hemangiosarcoma</b>									
		1/50 (2%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	Total	1/198 (0.51%)	Mean 0.5%	SD 1%	Total	0/148 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>    Leiomyosarcoma</b>									
		1/50 (2%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	Total	1/198 (0.51%)	Mean 0.5%	SD 1%	Total	0/148 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Spleen:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/148 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Forestomach:</b>									
<b>Leiomyosarcoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Stomach, Glandular:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Glandular:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Glandular:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Glandular:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Testes:</b>									
<b>Adenoma</b>									
		46/50 (92%)	49/50 (98%)	42/50 (84%)					
		46/50 (92%)							
<b>Overall Incidence</b>	Total	183/200 (91.5%)	Mean 91.5%	SD 5.74%					

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Testes:</b>									
<b>Hemangioma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)						
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean 0%		SD 0%			
.....									
<b>*Thymus:</b>									
<b>Thymoma Benign</b>									
		0/48	(0%)	0/47	(0%)	1/48	(2%)	0/46	(0%)
		0/41	(0%)					0/50	(0%)
<b>Overall Incidence</b>	Total	1/184	(0.54%)	Mean 0.52%		SD 1.04%		Total 0/145	(0%)
								Mean 0%	SD 0%
.....									
<b>*Thymus:</b>									
<b>Thymoma Malignant</b>									
		0/48	(0%)	0/47	(0%)	0/48	(0%)	0/46	(0%)
		0/41	(0%)					0/50	(0%)
<b>Overall Incidence</b>	Total	0/184	(0%)	Mean 0%		SD 0%		Total 0/145	(0%)
								Mean 0%	SD 0%
.....									
<b>*Thymus:</b>									
<b>Thymoma NOS</b>									
		0/48	(0%)	0/47	(0%)	0/48	(0%)	0/46	(0%)
		0/41	(0%)					0/50	(0%)
<b>Overall Incidence</b>	Total	0/184	(0%)	Mean 0%		SD 0%		Total 0/145	(0%)
								Mean 0%	SD 0%
.....									
<b>*Thymus:</b>									
<b>Thymoma: Benign, Malignant, NOS</b>									
		0/48	(0%)	0/47	(0%)	1/48	(2%)	0/46	(0%)
		0/41	(0%)					0/50	(0%)
<b>Overall Incidence</b>	Total	1/184	(0.54%)	Mean 0.52%		SD 1.04%		Total 0/145	(0%)
								Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: FEED

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		Male				Female			
<b>*Thyroid Gland: C-Cell: Adenoma</b>									
		5/50 (10%)	6/50 (12%)	7/50 (14%)		3/49 (6%)		4/50 (8%)	
		5/48 (10%)				2/47 (4%)			
<b>Overall Incidence</b>	Total	23/198 (11.62%)	Mean 11.6%	SD 1.81%	Total	9/146 (6.16%)	Mean 6.13%	SD 1.87%	
.....									
<b>*Thyroid Gland: C-Cell: Carcinoma</b>									
		4/50 (8%)	1/50 (2%)	1/50 (2%)		1/49 (2%)		1/50 (2%)	
		1/48 (2%)				0/47 (0%)			
<b>Overall Incidence</b>	Total	7/198 (3.54%)	Mean 3.52%	SD 2.99%	Total	2/146 (1.37%)	Mean 1.35%	SD 1.17%	
.....									
<b>*Thyroid Gland: C-Cell: Carcinoma or Adenoma</b>									
		9/50 (18%)	7/50 (14%)	8/50 (16%)		4/49 (8%)		5/50 (10%)	
		6/48 (13%)				2/47 (4%)			
<b>Overall Incidence</b>	Total	30/198 (15.15%)	Mean 15.12%	SD 2.39%	Total	11/146 (7.53%)	Mean 7.47%	SD 2.93%	
.....									
<b>*Thyroid Gland: Follicular Cell: Adenoma</b>									
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/49 (0%)		0/50 (0%)	
		0/48 (0%)				0/47 (0%)			
<b>Overall Incidence</b>	Total	2/198 (1.01%)	Mean 1%	SD 2%	Total	0/146 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)		0/50 (0%)	
		0/48 (0%)				1/47 (2%)			
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	1/146 (0.68%)	Mean 0.71%	SD 1.23%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Thyroid Gland: Follicular Cell:</b>									
<b>Carcinoma or Adenoma</b>									
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/49 (0%)		0/50 (0%)	
		0/48 (0%)				1/47 (2%)			
<b>Overall Incidence</b>	Total	2/198 (1.01%)	Mean 1%	SD 2%	Total	1/146 (0.68%)	Mean 0.71%	SD 1.23%	
.....									
<b>#Tissue NOS:</b>									
<b>Paraganglioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)		1/50 (2%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Papilloma</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)		1/50 (2%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Tooth:</b>									
<b>Adamantinoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tooth:</b>									
<b>Odontoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Urinary Bladder:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Urinary Bladder:</b>									
<b>Carcinoma or Papilloma</b>									
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.51%	SD 1.02%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Urinary Bladder:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Urinary Bladder:</b>									
<b>Papilloma</b>									
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.51%	SD 1.02%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus:</b>									
<b>Adenoma</b>									
						0/50 (0%)		0/50 (0%)	
						1/50 (2%)			
<b>Overall Incidence</b>	Total				Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Uterus:</b>									
<b>Carcinoma</b>									
						0/50 (0%)		0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus:</b>									
<b>Deciduoma Benign</b>									
						0/50 (0%)		0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus:</b>									
<b>Leiomyosarcoma</b>									
						0/50 (0%)		1/50 (2%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: FEED**

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	Male	Female
<b>#Uterus:</b> <b>Polyp Stromal</b>		
	10/50 (20%)	14/50 (28%)
	10/50 (20%)	
<b>Overall Incidence</b>	Total 34/150 (22.67%)	Mean 22.67% SD 4.62%
.....		
<b>#Uterus:</b> <b>Sarcoma</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	
<b>Overall Incidence</b>	Total 0/150 (0%)	Mean 0% SD 0%
.....		
<b>#Uterus:</b> <b>Sarcoma Stromal</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	
<b>Overall Incidence</b>	Total 0/150 (0%)	Mean 0% SD 0%
.....		
<b>#Uterus:</b> <b>Sarcoma Stromal or Polyp Stromal</b>		
	10/50 (20%)	14/50 (28%)
	10/50 (20%)	
<b>Overall Incidence</b>	Total 34/150 (22.67%)	Mean 22.67% SD 4.62%
.....		
<b>#Uterus:</b> <b>Schwannoma Malignant</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	
<b>Overall Incidence</b>	Total 0/150 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: FEED

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					Male						Female				
<b>#Vagina:</b>															
<b>Polyp</b>															
						0/50	(0%)				0/50	(0%)			
						0/50	(0%)								
<b>Overall Incidence</b>					Total	0/150	(0%)	Mean			0%	SD	0%		
.....															
<b>#Vagina:</b>															
<b>Sarcoma</b>															
						0/50	(0%)				0/50	(0%)			
						0/50	(0%)								
<b>Overall Incidence</b>					Total	0/150	(0%)	Mean			0%	SD	0%		
.....															
<b>#Vagina:</b>															
<b>Schwannoma Malignant</b>															
						0/50	(0%)				0/50	(0%)			
						0/50	(0%)								
<b>Overall Incidence</b>					Total	0/150	(0%)	Mean			0%	SD	0%		
.....															
<b>#Zymbal's Gland:</b>															
<b>Adenoma</b>															
		0/50	(0%)	0/50	(0%)	0/50	(0%)				0/50	(0%)			
		0/50	(0%)			0/50	(0%)								
<b>Overall Incidence</b>		Total	0/200	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....															
<b>#Zymbal's Gland:</b>															
<b>Carcinoma</b>															
		0/50	(0%)	1/50	(2%)	0/50	(0%)				1/50	(2%)	0/50	(0%)	
		0/50	(0%)			0/50	(0%)								
<b>Overall Incidence</b>		Total	1/200	(0.5%)	Mean	0.5%	SD	1%	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: FEED

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		Male				Female								
<b>#Zymbal's Gland:</b>														
<b>Carcinoma or Adenoma</b>														
		0/50	(0%)	1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
<b>Overall Incidence</b>	Total	1/200 (0.5%)		Mean 0.5%		SD 1%		Total	1/150 (0.67%)		Mean 0.67%		SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F 344/N  
Length of Study: CHRONIC

**Toxicology Data Management System**  
Tumor Incidence for Selected Control Animal Groups  
Route: ORAL  
Vehicle: WATER

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**Study Summary**

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
<b>Male</b>							
Battelle Columbus Laboratory	052000903	11/18/04	726	50(3)	33(668)	516.1	beta-Picoline
Southern Research Institute	052011407	10/02/02	730	50(3)	28(696)	532.4	Sodium dichromate dihydrate (VI)
<b>Female</b>							
Battelle Columbus Laboratory	052000903	11/19/04	727	50(5)	30(688)	352.7	beta-Picoline
Southern Research Institute	052011407	10/02/02	735	50(5)	33(700)	351.2	Sodium dichromate dihydrate (VI)

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: WATER

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		Male			Female		
<b>#All Organs:</b>							
<b>Benign Tumors</b>							
		45/50 (90%)	49/50 (98%)		47/50 (94%)	47/50 (94%)	
<b>Overall Incidence</b>	Total	94/100 (94%)	Mean 94%	SD 5.66%	Total	94/100 (94%)	Mean 94% SD 0%
.....							
<b>#All Organs:</b>							
<b>Malignant Tumors</b>							
		23/50 (46%)	29/50 (58%)		17/50 (34%)	20/50 (40%)	
<b>Overall Incidence</b>	Total	52/100 (52%)	Mean 52%	SD 8.49%	Total	37/100 (37%)	Mean 37% SD 4.24%
.....							
<b>#All Organs:</b>							
<b>Malignant and Benign Tumors</b>							
		48/50 (96%)	50/50 (100%)		49/50 (98%)	49/50 (98%)	
<b>Overall Incidence</b>	Total	98/100 (98%)	Mean 98%	SD 2.83%	Total	98/100 (98%)	Mean 98% SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangioma</b>							
		0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangiosarcoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangiosarcoma or Hemangioma</b>							
		0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male			Female		
<b>#All Organs:</b>							
<b>Histiocytic Sarcoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Leukemia: Erythrocytic</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>							
		14/50 (28%)	26/50 (52%)		12/50 (24%)	8/50 (16%)	
<b>Overall Incidence</b>	Total	40/100 (40%)	Mean 40%	SD 16.97%	Total	20/100 (20%)	Mean 20% SD 5.66%
.....							
<b>#All Organs:</b>							
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Mesothelioma: Benign</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Mesothelioma: Benign, Malignant, NOS</b>							
		4/50 (8%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	6/100 (6%)	Mean 6%	SD 2.83%	Total	0/100 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>#All Organs:</b>									
<b>Mesothelioma: Malignant</b>									
		4/50 (8%)	2/50 (4%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	6/100 (6%)	Mean 6%	SD 2.83%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Osteoma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Osteosarcoma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Osteosarcoma or Osteoma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Cortex:</b>									
<b>Adenoma</b>									
		1/50 (2%)	0/50 (0%)		2/50 (4%)	1/50 (2%)			
<b>Overall Incidence</b>	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	3/100 (3%)	Mean 3%	SD 1.41%	
.....									
<b>*Adrenal Cortex:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: WATER

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		Male				Female			
<b>*Adrenal Medulla: Ganglioneuroma</b>									
		0/50 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)			
<b>Overall Incidence</b>	Total	0/99 (0%)	Mean 0%	SD 0%	Total	0/99 (0%)	Mean 0%	SD 0%	
<b>*Adrenal Medulla: Hemangioma</b>									
		0/50 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)			
<b>Overall Incidence</b>	Total	0/99 (0%)	Mean 0%	SD 0%	Total	0/99 (0%)	Mean 0%	SD 0%	
<b>*Adrenal Medulla: Pheochromocytoma Benign</b>									
		5/50 (10%)	6/49 (12%)		2/50 (4%)	2/49 (4%)			
<b>Overall Incidence</b>	Total	11/99 (11.11%)	Mean 11.12%	SD 1.59%	Total	4/99 (4.04%)	Mean 4.04%	SD 0.06%	
<b>*Adrenal Medulla: Pheochromocytoma Complex</b>									
		1/50 (2%)	0/49 (0%)		0/50 (0%)	0/49 (0%)			
<b>Overall Incidence</b>	Total	1/99 (1.01%)	Mean 1%	SD 1.41%	Total	0/99 (0%)	Mean 0%	SD 0%	
<b>*Adrenal Medulla: Pheochromocytoma Malignant</b>									
		0/50 (0%)	1/49 (2%)		0/50 (0%)	1/49 (2%)			
<b>Overall Incidence</b>	Total	1/99 (1.01%)	Mean 1.02%	SD 1.44%	Total	1/99 (1.01%)	Mean 1.02%	SD 1.44%	
<b>*Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS</b>									
		6/50 (12%)	7/49 (14%)		2/50 (4%)	3/49 (6%)			
<b>Overall Incidence</b>	Total	13/99 (13.13%)	Mean 13.14%	SD 1.62%	Total	5/99 (5.05%)	Mean 5.06%	SD 1.5%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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 Report Date: 05/18/2011

		Male				Female			
<b>#Bone:</b>									
<b>Chordoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Bone:</b>									
<b>Osteoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Bone:</b>									
<b>Osteosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Bone:</b>									
<b>Osteosarcoma or Osteoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Brain:</b>									
<b>Astrocytoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Brain:</b>									
<b>Ependymoma Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: WATER

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		Male				Female			
<b>*Brain:</b>									
<b>Ependymoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Glioma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Glioma Benign</b>									
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1% SD 1.41%
.....									
<b>*Brain:</b>									
<b>Glioma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Granular Cell Tumor Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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 Report Date: 05/18/2011

		Male				Female					
<b>*Brain:</b>											
<b>Oligodendroglioma Malignant</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>											
		0/50	(0%)	0/50	(0%)		1/50	(2%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
<b>*Brain:</b>											
<b>Osteosarcoma</b>											
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Brain:</b>											
<b>Schwannoma Malignant</b>											
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>*Clitoral/Preputial Gland:</b>											
<b>Adenoma</b>											
		0/50	(0%)	4/50	(8%)		7/50	(14%)	2/50	(4%)	
<b>Overall Incidence</b>	Total	4/100	(4%)	Mean 4%	SD 5.66%	Total	9/100	(9%)	Mean 9%	SD 7.07%	
.....											
<b>*Clitoral/Preputial Gland:</b>											
<b>Carcinoma</b>											
		2/50	(4%)	1/50	(2%)		0/50	(0%)	8/50	(16%)	
<b>Overall Incidence</b>	Total	3/100	(3%)	Mean 3%	SD 1.41%	Total	8/100	(8%)	Mean 8%	SD 11.31%	
.....											

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>*Clitoral/Preputial Gland: Carcinoma or Adenoma</b>									
		2/50 (4%)	4/50 (8%)		7/50 (14%)	10/50 (20%)			
<b>Overall Incidence</b>	Total	6/100 (6%)	Mean 6%	SD 2.83%	Total	17/100 (17%)	Mean 17%	SD 4.24%	
.....									
<b>*Clitoral/Preputial Gland: Sarcoma</b>									
		0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%	
.....									
<b>#Ear: Neural Crest Tumor</b>									
		1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>#Esophagus: Lipoma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>#Eye: Melanoma Benign</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>#Eye: Melanoma Malignant</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>#Eye:</b>									
<b>Schwannoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Harderian Gland:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Harderian Gland:</b>									
<b>Carcinoma</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Harderian Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Heart:</b>									
<b>Schwannoma Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Heart:</b>									
<b>Schwannoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1% SD 1.41%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female					
<b>#Intestine Large: Colon/Rectum:</b>											
<b>Adenoma</b>											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Large: Colon/Rectum:</b>											
<b>Carcinoma or Adenoma</b>											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Large: Colon/Rectum:</b>											
<b>Hemangioma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Duodenum:</b>											
<b>Carcinoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Intestine Small: Duodenum:</b>											
<b>Leiomyoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
<b>#Intestine Small: Duodenum:</b>											
<b>Schwannoma Malignant</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>#Intestine Small: Ileum:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Granular Cell Tumor Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male			Female		
<b>#Intestine Small: Site Unspecified: Carcinoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Site Unspecified: Carcinoma or Adenoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Site Unspecified: Granular Cell Tumor Malignant</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Site Unspecified: Leiomyoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1% SD 1.41%
.....							
<b>#Intestine Small: Site Unspecified: Leiomyosarcoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Site Unspecified: Schwannoma Malignant</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>*Islets, Pancreatic:</b>									
<b>Adenoma</b>									
		4/50	(8%)	4/50	(8%)	0/50	(0%)	2/50	(4%)
<b>Overall Incidence</b>	Total	8/100	(8%)	Mean 8%	SD 0%	Total	2/100	(2%)	Mean 2%
									SD 2.83%
.....									
<b>*Islets, Pancreatic:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>*Islets, Pancreatic:</b>									
<b>Carcinoma or Adenoma</b>									
		4/50	(8%)	4/50	(8%)	0/50	(0%)	2/50	(4%)
<b>Overall Incidence</b>	Total	8/100	(8%)	Mean 8%	SD 0%	Total	2/100	(2%)	Mean 2%
									SD 2.83%
.....									
<b>*Kidney: Pelvis and Transitional Epithelium:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/99	(0%)	Mean 0%
									SD 0%
.....									
<b>*Kidney: Pelvis and Transitional Epithelium:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/99	(0%)	Mean 0%
									SD 0%
.....									
<b>*Kidney: Pelvis and Transitional Epithelium:</b>									
<b>Papilloma</b>									
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/99	(0%)	Mean 0%
									SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>*Kidney: Renal Tubule: Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/99	(0%)	Mean 0%	SD 0%
.....									
<b>*Kidney: Renal Tubule: Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/99	(0%)	Mean 0%	SD 0%
.....									
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/99	(0%)	Mean 0%	SD 0%
.....									
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/99	(0%)	Mean 0%	SD 0%
.....									
<b>*Kidney: Renal Tubule: Lipoma</b>									
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/99	(0%)	Mean 0%	SD 0%
.....									
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>									
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/99	(0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>*Kidney: Renal Tubule:</b>									
<b>Mesenchymal Tumor Malignant</b>									
		0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/99 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule:</b>									
<b>Nephroblastoma</b>									
		0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/99 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/99 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Cholangioma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Adenoma</b>									
		3/50 (6%)	0/50 (0%)		2/50 (4%)	1/50 (2%)			
<b>Overall Incidence</b>	Total	3/100 (3%)	Mean 3%	SD 4.24%	Total	3/100 (3%)	Mean 3%	SD 1.41%	
.....									

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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 Report Date: 05/18/2011

		Male				Female			
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>									
		3/50	(6%)	0/50	(0%)	2/50	(4%)	1/50	(2%)
<b>Overall Incidence</b>	Total	3/100	(3%)	Mean 3%	SD 4.24%	Total	3/100	(3%)	Mean 3%
									SD 1.41%
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>									
		3/50	(6%)	0/50	(0%)	2/50	(4%)	1/50	(2%)
<b>Overall Incidence</b>	Total	3/100	(3%)	Mean 3%	SD 4.24%	Total	3/100	(3%)	Mean 3%
									SD 1.41%
<b>*Liver:</b>									
<b>Ito Cell Tumor Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Adenoma</b>									
		3/50	(6%)	4/50	(8%)	0/50	(0%)	4/50	(8%)
<b>Overall Incidence</b>	Total	7/100	(7%)	Mean 7%	SD 1.41%	Total	4/100	(4%)	Mean 4%
									SD 5.66%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>									
		3/50	(6%)	4/50	(8%)	0/50	(0%)	4/50	(8%)
<b>Overall Incidence</b>	Total	7/100	(7%)	Mean 7%	SD 1.41%	Total	4/100	(4%)	Mean 4% SD 5.66%
.....									
<b>*Lung:</b>									
<b>Fibrosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Lung:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Lung:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Lymph Node:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>#Mammary Gland:</b>									
<b>Adenolipoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	2/50	(4%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	2/100	(2%)	Mean 2%
									SD 2.83%
.....									
<b>#Mammary Gland:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	1/50	(2%)	2/50	(4%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	2/100	(2%)	Mean 2%
									SD 2.83%
.....									
<b>#Mammary Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)	1/50	(2%)	2/50	(4%)	2/50	(4%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	4/100	(4%)	Mean 4%
									SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Fibroadenoma</b>									
		1/50	(2%)	2/50	(4%)	34/50	(68%)	37/50	(74%)
<b>Overall Incidence</b>	Total	3/100	(3%)	Mean 3%	SD 1.41%	Total	71/100	(71%)	Mean 71%
									SD 4.24%
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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	Male				Female			
<b>#Mammary Gland:</b>								
<b>Fibroma, Fibroadenoma or Adenoma</b>								
		1/50 (2%)	2/50 (4%)		34/50 (68%)	37/50 (74%)		
<b>Overall Incidence</b>	Total	3/100 (3%)	Mean 3%	SD 1.41%	Total	71/100 (71%)	Mean 71%	SD 4.24%
.....								
<b>#Mammary Gland:</b>								
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>								
		1/50 (2%)	3/50 (6%)		34/50 (68%)	37/50 (74%)		
<b>Overall Incidence</b>	Total	4/100 (4%)	Mean 4%	SD 2.83%	Total	71/100 (71%)	Mean 71%	SD 4.24%
.....								
<b>#Mesentery:</b>								
<b>Fibrous Histiocytoma</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Mesentery:</b>								
<b>Hemangiosarcoma</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Mesentery:</b>								
<b>Lipoma</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Mesentery:</b>								
<b>Schwannoma Malignant</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>*Nose:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Nose:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Papilloma Squamous or Papilloma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	1/100	(1%)	Mean 1%	SD 1.41%
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	1/100	(1%)	Mean 1%	SD 1.41%
.....									
<b>#Oral Mucosa:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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	Male				Female			
<b>#Oral Mucosa:</b>								
<b>Squamous Cell Papilloma</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>*Ovary:</b>								
<b>Cystadenoma</b>								
					0/50 (0%)	0/49 (0%)		
<b>Overall Incidence</b>	Total				0/99 (0%)	Mean 0%		SD 0%
.....								
<b>*Ovary:</b>								
<b>Fibrosarcoma</b>								
					0/50 (0%)	0/49 (0%)		
<b>Overall Incidence</b>	Total				0/99 (0%)	Mean 0%		SD 0%
.....								
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor Benign</b>								
					0/50 (0%)	0/49 (0%)		
<b>Overall Incidence</b>	Total				0/99 (0%)	Mean 0%		SD 0%
.....								
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor Malignant</b>								
					0/50 (0%)	0/49 (0%)		
<b>Overall Incidence</b>	Total				0/99 (0%)	Mean 0%		SD 0%
.....								
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>								
					0/50 (0%)	0/49 (0%)		
<b>Overall Incidence</b>	Total				0/99 (0%)	Mean 0%		SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: WATER

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Male					Female							
<b>*Ovary:</b>												
<b>Granulosa-Theca Tumor Benign</b>												
					0/50	(0%)	0/49	(0%)				
<b>Overall Incidence</b>					Total	0/99	(0%)	Mean	0%	SD	0%	
.....												
<b>*Ovary:</b>												
<b>Granulosa-Theca Tumor Malignant</b>												
					0/50	(0%)	0/49	(0%)				
<b>Overall Incidence</b>					Total	0/99	(0%)	Mean	0%	SD	0%	
.....												
<b>*Ovary:</b>												
<b>Schwannoma Malignant</b>												
					1/50	(2%)	0/49	(0%)				
<b>Overall Incidence</b>					Total	1/99	(1.01%)	Mean	1%	SD	1.41%	
.....												
<b>*Ovary:</b>												
<b>Tubulostromal Adenoma</b>												
					0/50	(0%)	0/49	(0%)				
<b>Overall Incidence</b>					Total	0/99	(0%)	Mean	0%	SD	0%	
.....												
<b>*Pancreas:</b>												
<b>Adenoma</b>												
		1/49	(2%)	1/50	(2%)			0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>		Total	2/99	(2.02%)	Mean	2.02%	SD	0.03%	Total	0/100	(0%)	
									Mean	0%	SD	0%
.....												
<b>*Pancreas:</b>												
<b>Carcinoma</b>												
		0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>		Total	0/99	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	
									Mean	0%	SD	0%
.....												

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male			Female		
<b>*Pancreas:</b>							
<b>Carcinoma or Adenoma</b>							
		1/49 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/99 (2.02%)	Mean 2.02%	SD 0.03%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>*Pancreas:</b>							
<b>Mixed Tumor Benign</b>							
		0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/99 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>*Pancreas:</b>							
<b>Mixed Tumor Malignant</b>							
		0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/99 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>*Parathyroid Gland:</b>							
<b>Adenoma</b>							
		0/50 (0%)	0/46 (0%)		0/47 (0%)	0/46 (0%)	
<b>Overall Incidence</b>	Total	0/96 (0%)	Mean 0%	SD 0%	Total	0/93 (0%)	Mean 0% SD 0%
.....							
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>							
<b>Adenoma</b>							
		28/50 (56%)	16/50 (32%)		30/50 (60%)	28/50 (56%)	
<b>Overall Incidence</b>	Total	44/100 (44%)	Mean 44%	SD 16.97%	Total	58/100 (58%)	Mean 58% SD 2.83%
.....							
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>							
<b>Carcinoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	2/50 (4%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	2/100 (2%)	Mean 2% SD 2.83%
.....							

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>  Carcinoma or Adenoma</b>									
		28/50 (56%)	16/50 (32%)			30/50 (60%)	30/50 (60%)		
<b>Overall Incidence</b>	Total	44/100 (44%)	Mean 44%	SD 16.97%	Total	60/100 (60%)	Mean 60%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>  Ganglioneuroma</b>									
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>  Adenoma</b>									
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>  Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Nervosa:</b>									
<b>  Craniopharyngioma</b>									
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>*Prostate:</b>									
<b>  Adenoma</b>									
		0/49 (0%)	2/50 (4%)						
<b>Overall Incidence</b>	Total	2/99 (2.02%)	Mean 2%	SD 2.83%					

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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	Male				Female			
<b>*Prostate:</b>								
<b>Carcinoma or Adenoma</b>								
		0/49 (0%)	2/50 (4%)					
<b>Overall Incidence</b>	Total	2/99 (2.02%)	Mean 2%	SD 2.83%				
.....								
<b>*Salivary Glands:</b>								
<b>Carcinoma</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>*Salivary Glands:</b>								
<b>Carcinoma or Adenoma</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>*Salivary Glands:</b>								
<b>Sarcoma</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>*Salivary Glands:</b>								
<b>Schwannoma Malignant</b>								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
<b>#Seminal Vesicle:</b>								
<b>Adenoma</b>								
		0/50 (0%)	0/50 (0%)					
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%				

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: WATER

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		Male				Female			
<b>#Skeletal Muscle:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skeletal Muscle:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma or Rhabdomyoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma</b>									
		1/50	(2%)	2/50	(4%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	3/100	(3%)	Mean 3%	SD 1.41%	Total	1/100	(1%)	Mean 1% SD 1.41%
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma or Basosquamous Tumor Benign</b>									
		1/50	(2%)	2/50	(4%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	3/100	(3%)	Mean 3%	SD 1.41%	Total	1/100	(1%)	Mean 1% SD 1.41%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female					
<b>#Skin:</b>											
<b>Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma</b>											
		1/50	(2%)	2/50	(4%)			1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	3/100	(3%)	Mean 3%	SD 1.41%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
<b>#Skin:</b>											
<b>Basal Cell Carcinoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>											
		1/50	(2%)	2/50	(4%)			1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	3/100	(3%)	Mean 3%	SD 1.41%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
<b>#Skin:</b>											
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>											
		6/50	(12%)	5/50	(10%)			1/50	(2%)	1/50	(2%)
<b>Overall Incidence</b>	Total	11/100	(11%)	Mean 11%	SD 1.41%	Total	2/100	(2%)	Mean 2%	SD 0%	
.....											
<b>#Skin:</b>											
<b>Fibroma</b>											
		3/50	(6%)	8/50	(16%)			2/50	(4%)	1/50	(2%)
<b>Overall Incidence</b>	Total	11/100	(11%)	Mean 11%	SD 7.07%	Total	3/100	(3%)	Mean 3%	SD 1.41%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: WATER

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 Report Date: 05/18/2011

	Male					Female				
<b>#Skin:</b>										
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>										
		4/50 (8%)	11/50 (22%)			2/50 (4%)	1/50 (2%)			
<b>Overall Incidence</b>	Total	15/100 (15%)	Mean 15%	SD 9.9%	Total	3/100 (3%)	Mean 3%	SD 1.41%		
.....										
<b>#Skin:</b>										
<b>Fibrosarcoma</b>										
		1/50 (2%)	1/50 (2%)			0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	2/100 (2%)	Mean 2%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%		
.....										
<b>#Skin:</b>										
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>										
		1/50 (2%)	3/50 (6%)			0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	4/100 (4%)	Mean 4%	SD 2.83%	Total	0/100 (0%)	Mean 0%	SD 0%		
.....										
<b>#Skin:</b>										
<b>Fibrous Histiocytoma</b>										
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%		
.....										
<b>#Skin:</b>										
<b>Hemangioma</b>										
		0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%		
.....										
<b>#Skin:</b>										
<b>Hemangiosarcoma</b>										
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%		

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: WATER

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		Male			Female		
<b>#Skin:</b>							
<b>Keratoacanthoma</b>							
		5/50 (10%)	2/50 (4%)		0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	7/100 (7%)	Mean 7%	SD 4.24%	Total	1/100 (1%)	Mean 1% SD 1.41%
.....							
<b>#Skin:</b>							
<b>Lipoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#Skin:</b>							
<b>Liposarcoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#Skin:</b>							
<b>Neural Crest Tumor</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#Skin:</b>							
<b>Neural Crest Tumor, Malignant</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%
.....							
<b>#Skin:</b>							
<b>Neurofibroma or Schwannoma benign</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>#Skin:</b>									
<b>Neurofibrosarcoma or Schwannoma (malignant or NOS)</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skin:</b>									
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skin:</b>									
<b>Sarcoma</b>									
		0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/100	(2%)	Mean 2%	SD 2.83%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skin:</b>									
<b>Schwannoma Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skin:</b>									
<b>Schwannoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
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	Male					Female				
<b>#Skin:</b>										
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>										
<b>Overall Incidence</b>	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%		
<b>#Skin:</b>										
<b>Squamous Cell Papilloma</b>										
<b>Overall Incidence</b>	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%		
<b>#Skin:</b>										
<b>Squamous Cell Papilloma or Papilloma</b>										
<b>Overall Incidence</b>	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%		
<b>#Skin:</b>										
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>										
<b>Overall Incidence</b>	Total	5/50 (10%) 9/100 (9%)	4/50 (8%) Mean 9%	SD 1.41%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%		
<b>#Skin:</b>										
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>										
<b>Overall Incidence</b>	Total	5/50 (10%) 8/100 (8%)	3/50 (6%) Mean 8%	SD 2.83%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%		
<b>#Skin:</b>										
<b>Trichoepithelioma</b>										
<b>Overall Incidence</b>	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%		

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: WATER

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		Male				Female			
<b>#Skin: Sebaceous Gland:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1% SD 1.41%
.....									
<b>#Skin: Sebaceous Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1% SD 1.41%
.....									
<b>#Spinal Cord:</b>									
<b>Astrocytoma Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Spinal Cord:</b>									
<b>Astrocytoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Spinal Cord:</b>									
<b>Glioma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>*Spleen:</b>									
<b>Fibrosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>*Spleen:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Spleen:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Spleen:</b>									
<b>Leiomyosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>*Spleen:</b>									
<b>Sarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Stomach, Forestomach:</b>									
<b>Leiomyosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/100	(0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Stomach, Glandular:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Stomach, Glandular:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Stomach, Glandular:</b>									
<b>Lipoma</b>									
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Stomach, Glandular:</b>									
<b>Sarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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 Report Date: 05/18/2011

		Male				Female			
<b>*Testes:</b>									
<b>Adenoma</b>									
		35/50	(70%)	48/50	(96%)				
<b>Overall Incidence</b>	Total	83/100	(83%)	Mean 83%	SD 18.38%				
.....									
<b>*Testes:</b>									
<b>Hemangioma</b>									
		0/50	(0%)	0/50	(0%)				
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%				
.....									
<b>*Thymus:</b>									
<b>Thymoma Benign</b>									
		0/49	(0%)	0/48	(0%)	0/49	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/97	(0%)	Mean 0%	SD 0%	Total	0/99	(0%)	Mean 0%
									SD 0%
.....									
<b>*Thymus:</b>									
<b>Thymoma Malignant</b>									
		0/49	(0%)	0/48	(0%)	0/49	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/97	(0%)	Mean 0%	SD 0%	Total	0/99	(0%)	Mean 0%
									SD 0%
.....									
<b>*Thymus:</b>									
<b>Thymoma NOS</b>									
		0/49	(0%)	0/48	(0%)	0/49	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/97	(0%)	Mean 0%	SD 0%	Total	0/99	(0%)	Mean 0%
									SD 0%
.....									
<b>*Thymus:</b>									
<b>Thymoma: Benign, Malignant, NOS</b>									
		0/49	(0%)	0/48	(0%)	0/49	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/97	(0%)	Mean 0%	SD 0%	Total	0/99	(0%)	Mean 0%
									SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>*Thyroid Gland: C-Cell: Adenoma</b>									
		12/50 (24%)	5/50 (10%)			10/50 (20%)	8/50 (16%)		
<b>Overall Incidence</b>	Total	17/100 (17%)	Mean 17%	SD 9.9%	Total	18/100 (18%)	Mean 18%	SD 2.83%	
.....									
<b>*Thyroid Gland: C-Cell: Carcinoma</b>									
		1/50 (2%)	1/50 (2%)			1/50 (2%)	2/50 (4%)		
<b>Overall Incidence</b>	Total	2/100 (2%)	Mean 2%	SD 0%	Total	3/100 (3%)	Mean 3%	SD 1.41%	
.....									
<b>*Thyroid Gland: C-Cell: Carcinoma or Adenoma</b>									
		13/50 (26%)	6/50 (12%)			11/50 (22%)	10/50 (20%)		
<b>Overall Incidence</b>	Total	19/100 (19%)	Mean 19%	SD 9.9%	Total	21/100 (21%)	Mean 21%	SD 1.41%	
.....									
<b>*Thyroid Gland: Follicular Cell: Adenoma</b>									
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>									
		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>									
		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>#Tissue NOS:</b>									
<b>Paranglioma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1% SD 1.41%
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1% SD 1.41%
.....									
<b>#Tooth:</b>									
<b>Adamantinoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%
.....									
<b>#Tooth:</b>									
<b>Odontoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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 Report Date: 05/18/2011

		Male				Female			
<b>*Urinary Bladder:</b>									
<b>  Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/99	(0%)	Mean 0%	SD 0%
.....									
<b>*Urinary Bladder:</b>									
<b>  Carcinoma or Papilloma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/99	(0%)	Mean 0%	SD 0%
.....									
<b>*Urinary Bladder:</b>									
<b>  Hemangiosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/99	(0%)	Mean 0%	SD 0%
.....									
<b>*Urinary Bladder:</b>									
<b>  Papilloma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	0/99	(0%)	Mean 0%	SD 0%
.....									
<b>#Uterus:</b>									
<b>  Adenoma</b>									
						0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total					1/100	(1%)	Mean 1%	SD 1.41%
.....									
<b>#Uterus:</b>									
<b>  Carcinoma</b>									
						1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total					1/100	(1%)	Mean 1%	SD 1.41%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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	Male	Female
<b>#Uterus:</b> Deciduoma Benign		
Overall Incidence	Total 0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0% SD 0%
<b>#Uterus:</b> Leiomyosarcoma		
Overall Incidence	Total 1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1% SD 1.41%
<b>#Uterus:</b> Polyp Stromal		
Overall Incidence	Total 8/50 (16%) 18/100 (18%)	10/50 (20%) Mean 18% SD 2.83%
<b>#Uterus:</b> Sarcoma		
Overall Incidence	Total 0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0% SD 0%
<b>#Uterus:</b> Sarcoma Stromal		
Overall Incidence	Total 0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0% SD 0%
<b>#Uterus:</b> Sarcoma Stromal or Polyp Stromal		
Overall Incidence	Total 8/50 (16%) 18/100 (18%)	10/50 (20%) Mean 18% SD 2.83%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ORAL  
 Vehicle: WATER

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		Male			Female		
<b>#Uterus:</b>							
<b>Schwannoma Malignant</b>							
			0/50 (0%)		0/50 (0%)		
<b>Overall Incidence</b>		Total	0/100 (0%)		Mean 0%		SD 0%
.....							
<b>#Vagina:</b>							
<b>Polyp</b>							
			1/50 (2%)		0/50 (0%)		
<b>Overall Incidence</b>		Total	1/100 (1%)		Mean 1%		SD 1.41%
.....							
<b>#Vagina:</b>							
<b>Sarcoma</b>							
			0/50 (0%)		0/50 (0%)		
<b>Overall Incidence</b>		Total	0/100 (0%)		Mean 0%		SD 0%
.....							
<b>#Vagina:</b>							
<b>Schwannoma Malignant</b>							
			0/50 (0%)		0/50 (0%)		
<b>Overall Incidence</b>		Total	0/100 (0%)		Mean 0%		SD 0%
.....							
<b>#Zymbal's Gland:</b>							
<b>Adenoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%
							SD 0%
.....							
<b>#Zymbal's Gland:</b>							
<b>Carcinoma</b>							
		1/50 (2%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	1/100 (1%)	Mean 1%
							SD 1.41%
.....							

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F 344/N  
Length of Study: CHRONIC

**Toxicology Data Management System**  
Tumor Incidence for Selected Control Animal Groups  
Route: ORAL  
Vehicle: WATER

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	Male				Female			
<b>#Zymbal's Gland:</b>								
<b>Carcinoma or Adenoma</b>		1/50 (2%)	0/50 (0%)			0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	1/100 (1%)	Mean 1%	SD 1.41%

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\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: May2011  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F 344/N  
Length of Study: CHRONIC

**Toxicology Data Management System**  
Tumor Incidence for Selected Control Animal Groups  
Route: PERINATAL AND POSTNATAL  
Vehicle: FEED

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**Study Summary**

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
<b>Male</b>							
Battelle Columbus Laboratory	059901305	05/12/05	726	50(3)	36(685)	522.7	Styrene-acrylonitrile trimer
<b>Female</b>							
Battelle Columbus Laboratory	059901305	05/13/05	727	50(5)	41(699)	371.2	Styrene-acrylonitrile trimer

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
 Vehicle: FEED

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		Male			Female		
<b>#All Organs:</b>							
<b>Benign Tumors</b>							
		46/50 (92%)			42/50 (84%)		
<b>Overall Incidence</b>	Total	46/50 (92%)	Mean 92%	SD 0%	Total	42/50 (84%)	Mean 84% SD 0%
.....							
<b>#All Organs:</b>							
<b>Malignant Tumors</b>							
		22/50 (44%)			19/50 (38%)		
<b>Overall Incidence</b>	Total	22/50 (44%)	Mean 44%	SD 0%	Total	19/50 (38%)	Mean 38% SD 0%
.....							
<b>#All Organs:</b>							
<b>Malignant and Benign Tumors</b>							
		49/50 (98%)			44/50 (88%)		
<b>Overall Incidence</b>	Total	49/50 (98%)	Mean 98%	SD 0%	Total	44/50 (88%)	Mean 88% SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangioma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangiosarcoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangiosarcoma or Hemangioma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
 Vehicle: FEED

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		Male			Female		
<b>#All Organs:</b>							
<b>Histiocytic Sarcoma</b>							
		1/50 (2%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Leukemia: Erythrocytic</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>							
		15/50 (30%)			13/50 (26%)		
<b>Overall Incidence</b>	Total	15/50 (30%)	Mean 30%	SD 0%	Total	13/50 (26%)	Mean 26% SD 0%
.....							
<b>#All Organs:</b>							
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Mesothelioma: Benign</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Mesothelioma: Benign, Malignant, NOS</b>							
		4/50 (8%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	4/50 (8%)	Mean 8%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
 Vehicle: FEED

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		Male			Female		
<b>#All Organs:</b>							
<b>Mesothelioma: Malignant</b>							
		4/50	(8%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	4/50	(8%)	Mean 8%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>#All Organs:</b>							
<b>Osteoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>#All Organs:</b>							
<b>Osteosarcoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>#All Organs:</b>							
<b>Osteosarcoma or Osteoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>*Adrenal Cortex:</b>							
<b>Adenoma</b>							
		0/50	(0%)		1/50	(2%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50 (2%)
							Mean 2%
							SD 0%
.....							
<b>*Adrenal Cortex:</b>							
<b>Carcinoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
 Vehicle: FEED

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		Male				Female			
<b>*Adrenal Medulla: Ganglioneuroma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Adrenal Medulla: Hemangioma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Adrenal Medulla: Pheochromocytoma Benign</b>									
		4/50	(8%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	4/50	(8%)	Mean 8%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Adrenal Medulla: Pheochromocytoma Complex</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Adrenal Medulla: Pheochromocytoma Malignant</b>									
		0/50	(0%)			1/50	(2%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%
.....									
<b>*Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS</b>									
		4/50	(8%)			1/50	(2%)		
<b>Overall Incidence</b>	Total	4/50	(8%)	Mean 8%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
 Vehicle: FEED

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		Male				Female			
<b>#Bone:</b>									
<b>Chordoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Bone:</b>									
<b>Osteoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Bone:</b>									
<b>Osteosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Bone:</b>									
<b>Osteosarcoma or Osteoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Astrocytoma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Ependymoma Benign</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
 Vehicle: FEED

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		Male				Female			
<b>*Brain:</b>									
<b>Ependymoma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Glioma</b>									
		0/50	(0%)			1/50	(2%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%
.....									
<b>*Brain:</b>									
<b>Glioma Benign</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Glioma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Granular Cell Tumor Benign</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma Benign</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
 Vehicle: FEED

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	Male				Female			
<b>*Brain:</b>								
<b>Oligodendroglioma Malignant</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>*Brain:</b>								
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>*Brain:</b>								
<b>Osteosarcoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>*Brain:</b>								
<b>Schwannoma Malignant</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>*Clitoral/Preputial Gland:</b>								
<b>Adenoma</b>								
		1/50	(2%)			3/50	(6%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	3/50	(6%)
.....								
<b>*Clitoral/Preputial Gland:</b>								
<b>Carcinoma</b>								
		1/50	(2%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)
.....								

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
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	Male				Female			
<b>*Clitoral/Preputial Gland: Carcinoma or Adenoma</b>								
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	3/50 (6%)	Mean 6%	SD 0%
.....								
<b>*Clitoral/Preputial Gland: Sarcoma</b>								
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Ear: Neural Crest Tumor</b>								
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Esophagus: Lipoma</b>								
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Eye: Melanoma Benign</b>								
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Eye: Melanoma Malignant</b>								
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
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		Male				Female			
<b>#Eye:</b>									
<b>Schwannoma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Harderian Gland:</b>									
<b>Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Harderian Gland:</b>									
<b>Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Harderian Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Heart:</b>									
<b>Schwannoma Benign</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Heart:</b>									
<b>Schwannoma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
 Vehicle: FEED

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		Male			Female		
<b>#Intestine Large: Colon/Rectum: Adenoma</b>							
		1/50 (2%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Large: Colon/Rectum: Carcinoma or Adenoma</b>							
		1/50 (2%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Large: Colon/Rectum: Hemangioma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Duodenum: Carcinoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Duodenum: Leiomyoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Duodenum: Schwannoma Malignant</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
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		Male				Female			
<b>#Intestine Small: Ileum:</b>									
<b>Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Granular Cell Tumor Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
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		Male			Female		
<b>#Intestine Small: Site Unspecified: Carcinoma</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Site Unspecified: Carcinoma or Adenoma</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Site Unspecified: Granular Cell Tumor Malignant</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Site Unspecified: Leiomyoma</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Site Unspecified: Leiomyosarcoma</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Site Unspecified: Schwannoma Malignant</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
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		Male				Female			
<b>*Islets, Pancreatic:</b>									
<b>Adenoma</b>									
		0/50	(0%)			1/50	(2%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%
.....									
<b>*Islets, Pancreatic:</b>									
<b>Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Islets, Pancreatic:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)			1/50	(2%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%
.....									
<b>*Kidney: Pelvis and Transitional Epithelium:</b>									
<b>Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Pelvis and Transitional Epithelium:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Pelvis and Transitional Epithelium:</b>									
<b>Papilloma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
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		Male			Female		
<b>*Kidney: Renal Tubule: Adenoma</b>							
		1/50 (2%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Kidney: Renal Tubule: Carcinoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>							
		1/50 (2%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Kidney: Renal Tubule: Lipoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
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		Male				Female			
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Malignant</b>									
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Nephroblastoma</b>									
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Sarcoma</b>									
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver: Cholangioma</b>									
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver: Hemangiosarcoma</b>									
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver: Hepatocellular Adenoma</b>									
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
.....									

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
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		Male			Female		
<b>*Liver:</b>							
<b>Hepatocellular Carcinoma</b>							
		0/50	(0%)			0/50	(0%)
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>*Liver:</b>							
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>							
		0/50	(0%)			0/50	(0%)
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>*Liver:</b>							
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>							
		0/50	(0%)			0/50	(0%)
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>*Liver:</b>							
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>							
		0/50	(0%)			0/50	(0%)
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>*Liver:</b>							
<b>Ito Cell Tumor Benign</b>							
		0/50	(0%)			0/50	(0%)
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>*Lung:</b>							
<b>Alveolar/Bronchiolar Adenoma</b>							
		1/50	(2%)			0/50	(0%)
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
 Vehicle: FEED

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	Male				Female			
<b>*Lung:</b>								
<b>Alveolar/Bronchiolar Carcinoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>*Lung:</b>								
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>								
		1/50	(2%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)
.....								
<b>*Lung:</b>								
<b>Fibrosarcoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>*Lung:</b>								
<b>Hemangiosarcoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>*Lung:</b>								
<b>Squamous Cell Carcinoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Lymph Node:</b>								
<b>Hemangiosarcoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
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		Male				Female			
<b>#Mammary Gland:</b>									
<b>Adenolipoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Carcinoma</b>									
		0/50	(0%)			2/50	(4%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	2/50	(4%)	Mean 4% SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)			2/50	(4%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	2/50	(4%)	Mean 4% SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Fibroadenoma</b>									
		1/50	(2%)			36/50	(72%)		
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	36/50	(72%)	Mean 72% SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
 Vehicle: FEED

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	Male				Female			
<b>#Mammary Gland:</b>								
<b>Fibroma, Fibroadenoma or Adenoma</b>								
		1/50	(2%)			36/50	(72%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	36/50 (72%)	Mean 72% SD 0%
.....								
<b>#Mammary Gland:</b>								
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>								
		1/50	(2%)			36/50	(72%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	36/50 (72%)	Mean 72% SD 0%
.....								
<b>#Mesentery:</b>								
<b>Fibrous Histiocytoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>#Mesentery:</b>								
<b>Hemangiosarcoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>#Mesentery:</b>								
<b>Lipoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>#Mesentery:</b>								
<b>Schwannoma Malignant</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
 Vehicle: FEED

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		Male			Female		
<b>*Nose:</b>							
<b>Adenoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
						Mean 0%	SD 0%
.....							
<b>*Nose:</b>							
<b>Squamous Cell Carcinoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
						Mean 0%	SD 0%
.....							
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>							
<b>Papilloma Squamous or Papilloma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
						Mean 0%	SD 0%
.....							
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>							
<b>Squamous Cell Carcinoma</b>							
		0/50	(0%)		1/50	(2%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50 (2%)
						Mean 2%	SD 0%
.....							
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>							
<b>Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>							
		0/50	(0%)		1/50	(2%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50 (2%)
						Mean 2%	SD 0%
.....							
<b>#Oral Mucosa:</b>							
<b>Squamous Cell Carcinoma</b>							
		0/50	(0%)		1/50	(2%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50 (2%)
						Mean 2%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
 Vehicle: FEED

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	Male				Female			
<b>#Oral Mucosa:</b>								
<b>Squamous Cell Papilloma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>*Ovary:</b>								
<b>Cystadenoma</b>								
						0/50	(0%)	
<b>Overall Incidence</b>						Total	0/50	(0%)
.....								
<b>*Ovary:</b>								
<b>Fibrosarcoma</b>								
						0/50	(0%)	
<b>Overall Incidence</b>						Total	0/50	(0%)
.....								
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor Benign</b>								
						0/50	(0%)	
<b>Overall Incidence</b>						Total	0/50	(0%)
.....								
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor Malignant</b>								
						0/50	(0%)	
<b>Overall Incidence</b>						Total	0/50	(0%)
.....								
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>								
						0/50	(0%)	
<b>Overall Incidence</b>						Total	0/50	(0%)
.....								

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
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Male				Female			
<b>*Ovary:</b>							
<b>Granulosa-Theca Tumor Benign</b>							
				0/50	(0%)		
<b>Overall Incidence</b>				Total	0/50 (0%)	Mean 0%	SD 0%
.....							
<b>*Ovary:</b>							
<b>Granulosa-Theca Tumor Malignant</b>							
				0/50	(0%)		
<b>Overall Incidence</b>				Total	0/50 (0%)	Mean 0%	SD 0%
.....							
<b>*Ovary:</b>							
<b>Schwannoma Malignant</b>							
				0/50	(0%)		
<b>Overall Incidence</b>				Total	0/50 (0%)	Mean 0%	SD 0%
.....							
<b>*Ovary:</b>							
<b>Tubulostromal Adenoma</b>							
				0/50	(0%)		
<b>Overall Incidence</b>				Total	0/50 (0%)	Mean 0%	SD 0%
.....							
<b>*Pancreas:</b>							
<b>Adenoma</b>							
		1/50	(2%)				
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%)	Mean 2%
							SD 0%
.....							
<b>*Pancreas:</b>							
<b>Carcinoma</b>							
		0/50	(0%)				
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%
							SD 0%
.....							

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
 Vehicle: FEED

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	Male				Female			
<b>*Pancreas:</b>								
<b>Carcinoma or Adenoma</b>								
		1/50	(2%)			1/50	(2%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	1/50	(2%)
								Mean 2%
								SD 0%
.....								
<b>*Pancreas:</b>								
<b>Mixed Tumor Benign</b>								
		1/50	(2%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)
								Mean 0%
								SD 0%
.....								
<b>*Pancreas:</b>								
<b>Mixed Tumor Malignant</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
								Mean 0%
								SD 0%
.....								
<b>*Parathyroid Gland:</b>								
<b>Adenoma</b>								
		0/35	(0%)			0/48	(0%)	
<b>Overall Incidence</b>	Total	0/35	(0%)	Mean 0%	SD 0%	Total	0/48	(0%)
								Mean 0%
								SD 0%
.....								
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>								
<b>Adenoma</b>								
		16/50	(32%)			22/50	(44%)	
<b>Overall Incidence</b>	Total	16/50	(32%)	Mean 32%	SD 0%	Total	22/50	(44%)
								Mean 44%
								SD 0%
.....								
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>								
<b>Carcinoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
								Mean 0%
								SD 0%
.....								

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
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		Male			Female		
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>							
<b>Carcinoma or Adenoma</b>							
		16/50 (32%)			22/50 (44%)		
<b>Overall Incidence</b>	Total	16/50 (32%)	Mean 32%	SD 0%	Total	22/50 (44%)	Mean 44% SD 0%
.....							
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>							
<b>Ganglioneuroma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Pituitary Gland: Pars Intermedia:</b>							
<b>Adenoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Pituitary Gland: Pars Intermedia:</b>							
<b>Carcinoma or Adenoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Pituitary Gland: Pars Nervosa:</b>							
<b>Craniopharyngioma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Prostate:</b>							
<b>Adenoma</b>							
		0/50 (0%)					
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%			

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
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		Male				Female			
<b>*Prostate:</b>									
<b>  Carcinoma or Adenoma</b>									
		0/50	(0%)						
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%				
.....									
<b>*Salivary Glands:</b>									
<b>  Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Salivary Glands:</b>									
<b>  Carcinoma or Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Salivary Glands:</b>									
<b>  Sarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Salivary Glands:</b>									
<b>  Schwannoma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Seminal Vesicle:</b>									
<b>  Adenoma</b>									
		0/50	(0%)						
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%				

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
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		Male				Female			
<b>#Skeletal Muscle:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Skeletal Muscle:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma or Rhabdomyoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma or Basosquamous Tumor Benign</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
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	Male				Female			
<b>#Skin:</b>								
<b>Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
								Mean 0%
								SD 0%
.....								
<b>#Skin:</b>								
<b>Basal Cell Carcinoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
								Mean 0%
								SD 0%
.....								
<b>#Skin:</b>								
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
								Mean 0%
								SD 0%
.....								
<b>#Skin:</b>								
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
								Mean 0%
								SD 0%
.....								
<b>#Skin:</b>								
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>								
		4/50	(8%)			1/50	(2%)	
<b>Overall Incidence</b>	Total	4/50	(8%)	Mean 8%	SD 0%	Total	1/50	(2%)
								Mean 2%
								SD 0%
.....								
<b>#Skin:</b>								
<b>Fibroma</b>								
		5/50	(10%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	5/50	(10%)	Mean 10%	SD 0%	Total	0/50	(0%)
								Mean 0%
								SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
 Vehicle: FEED

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	Male				Female			
<b>#Skin:</b>								
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma								
		5/50 (10%)				0/50 (0%)		
<b>Overall Incidence</b>	Total	5/50 (10%)	Mean 10%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
Fibrosarcoma								
		0/50 (0%)				0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma								
		0/50 (0%)				0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
Fibrous Histiocytoma								
		0/50 (0%)				0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
Hemangioma								
		0/50 (0%)				0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
Hemangiosarcoma								
		0/50 (0%)				0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
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	Male				Female			
<b>#Skin:</b>								
<b>Keratoacanthoma</b>								
		2/50	(4%)			1/50	(2%)	
<b>Overall Incidence</b>	Total	2/50	(4%)	Mean 4%	SD 0%	Total	1/50	(2%)
								Mean 2%
								SD 0%
.....								
<b>#Skin:</b>								
<b>Lipoma</b>								
		1/50	(2%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)
								Mean 0%
								SD 0%
.....								
<b>#Skin:</b>								
<b>Liposarcoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
								Mean 0%
								SD 0%
.....								
<b>#Skin:</b>								
<b>Neural Crest Tumor</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
								Mean 0%
								SD 0%
.....								
<b>#Skin:</b>								
<b>Neural Crest Tumor, Malignant</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
								Mean 0%
								SD 0%
.....								
<b>#Skin:</b>								
<b>Neurofibroma or Schwannoma benign</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
								Mean 0%
								SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
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	Male				Female			
<b>#Skin:</b>								
<b>Neurofibrosarcoma or Schwannoma (malignant or NOS)</b>								
		0/50 (0%)			1/50 (2%)			
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
.....								
<b>#Skin:</b>								
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>								
		0/50 (0%)			1/50 (2%)			
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
.....								
<b>#Skin:</b>								
<b>Sarcoma</b>								
		0/50 (0%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Schwannoma Benign</b>								
		0/50 (0%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Schwannoma Malignant</b>								
		0/50 (0%)			1/50 (2%)			
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
.....								
<b>#Skin:</b>								
<b>Squamous Cell Carcinoma</b>								
		0/50 (0%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
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	Male				Female			
<b>#Skin:</b>								
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Squamous Cell Papilloma</b>								
<b>Overall Incidence</b>	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Squamous Cell Papilloma or Papilloma</b>								
<b>Overall Incidence</b>	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>								
<b>Overall Incidence</b>	Total	4/50 (8%)	Mean 8%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
.....								
<b>#Skin:</b>								
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>								
<b>Overall Incidence</b>	Total	4/50 (8%)	Mean 8%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
.....								
<b>#Skin:</b>								
<b>Trichoepithelioma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
 Vehicle: FEED

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		Male				Female			
<b>#Skin: Sebaceous Gland:</b>									
<b>Adenoma</b>									
		0/50	(0%)			1/50	(2%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%
.....									
<b>#Skin: Sebaceous Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)			1/50	(2%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%
.....									
<b>#Spinal Cord:</b>									
<b>Astrocytoma Benign</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Spinal Cord:</b>									
<b>Astrocytoma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Spinal Cord:</b>									
<b>Glioma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Spleen:</b>									
<b>Fibrosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
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		Male				Female			
<b>*Spleen:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Spleen:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Spleen:</b>									
<b>Leiomyosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Spleen:</b>									
<b>Sarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Stomach, Forestomach:</b>									
<b>Leiomyosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
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	Male				Female			
<b>#Stomach, Forestomach:</b>								
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Stomach, Forestomach:</b>								
<b>Squamous Cell Papilloma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Stomach, Glandular:</b>								
<b>Carcinoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Stomach, Glandular:</b>								
<b>Carcinoma or Adenoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Stomach, Glandular:</b>								
<b>Lipoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Stomach, Glandular:</b>								
<b>Sarcoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
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		Male				Female			
<b>*Testes:</b>									
<b>Adenoma</b>									
		41/50	(82%)						
<b>Overall Incidence</b>	Total	41/50	(82%)	Mean 82%	SD 0%				
.....									
<b>*Testes:</b>									
<b>Hemangioma</b>									
		0/50	(0%)						
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%				
.....									
<b>*Thymus:</b>									
<b>Thymoma Benign</b>									
		1/48	(2%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	1/48	(2.08%)	Mean 2.08%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Thymus:</b>									
<b>Thymoma Malignant</b>									
		1/48	(2%)			1/50	(2%)		
<b>Overall Incidence</b>	Total	1/48	(2.08%)	Mean 2.08%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%
.....									
<b>*Thymus:</b>									
<b>Thymoma NOS</b>									
		0/48	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/48	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Thymus:</b>									
<b>Thymoma: Benign, Malignant, NOS</b>									
		2/48	(4%)			1/50	(2%)		
<b>Overall Incidence</b>	Total	2/48	(4.17%)	Mean 4.17%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
 Vehicle: FEED

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		Male			Female		
<b>*Thyroid Gland: C-Cell: Adenoma</b>							
Overall Incidence	Total	12/50 (24%)	Mean 24%	SD 0%	Total	6/50 (12%)	Mean 12% SD 0%
.....							
<b>*Thyroid Gland: C-Cell: Carcinoma</b>							
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Thyroid Gland: C-Cell: Carcinoma or Adenoma</b>							
Overall Incidence	Total	12/50 (24%)	Mean 24%	SD 0%	Total	6/50 (12%)	Mean 12% SD 0%
.....							
<b>*Thyroid Gland: Follicular Cell: Adenoma</b>							
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%)	Mean 2% SD 0%
.....							
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>							
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>							
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%)	Mean 2% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
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		Male			Female		
<b>#Tissue NOS:</b>							
<b>Paranglioma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#Tongue:</b>							
<b>Squamous Cell Carcinoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#Tongue:</b>							
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#Tongue:</b>							
<b>Squamous Cell Papilloma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#Tooth:</b>							
<b>Adamantinoma Malignant</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#Tooth:</b>							
<b>Odontoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
 Vehicle: FEED

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		Male			Female		
<b>*Urinary Bladder:</b>							
<b>  Carcinoma</b>							
		1/50	(2%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>*Urinary Bladder:</b>							
<b>  Carcinoma or Papilloma</b>							
		1/50	(2%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>*Urinary Bladder:</b>							
<b>  Hemangiosarcoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>*Urinary Bladder:</b>							
<b>  Papilloma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>#Uterus:</b>							
<b>  Adenoma</b>							
					0/50	(0%)	
<b>Overall Incidence</b>					Total	0/50 (0%)	Mean 0%
							SD 0%
.....							
<b>#Uterus:</b>							
<b>  Carcinoma</b>							
					0/50	(0%)	
<b>Overall Incidence</b>					Total	0/50 (0%)	Mean 0%
							SD 0%
.....							

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
 Vehicle: FEED

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	Male		Female	
<b>#Uterus:</b>				
<b>Deciduoma Benign</b>				
		0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%
.....				
<b>#Uterus:</b>				
<b>Leiomyosarcoma</b>				
		0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%
.....				
<b>#Uterus:</b>				
<b>Polyp Stromal</b>				
		6/50 (12%)		
<b>Overall Incidence</b>	Total	6/50 (12%)	Mean 12%	SD 0%
.....				
<b>#Uterus:</b>				
<b>Sarcoma</b>				
		0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%
.....				
<b>#Uterus:</b>				
<b>Sarcoma Stromal</b>				
		0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%
.....				
<b>#Uterus:</b>				
<b>Sarcoma Stromal or Polyp Stromal</b>				
		6/50 (12%)		
<b>Overall Incidence</b>	Total	6/50 (12%)	Mean 12%	SD 0%
.....				

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: PERINATAL AND POSTNATAL  
 Vehicle: FEED

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Male					Female					
<b>#Uterus:</b>										
Schwannoma Malignant										
					1/50 (2%)					
Overall Incidence					Total	1/50 (2%)		Mean 2%		SD 0%
.....										
<b>#Vagina:</b>										
Polyp										
					0/50 (0%)					
Overall Incidence					Total	0/50 (0%)		Mean 0%		SD 0%
.....										
<b>#Vagina:</b>										
Sarcoma										
					0/50 (0%)					
Overall Incidence					Total	0/50 (0%)		Mean 0%		SD 0%
.....										
<b>#Vagina:</b>										
Schwannoma Malignant										
					0/50 (0%)					
Overall Incidence					Total	0/50 (0%)		Mean 0%		SD 0%
.....										
<b>#Zymbal's Gland:</b>										
Adenoma										
					0/50 (0%)					
Overall Incidence					Total	0/50 (0%)		Mean 0%		SD 0%
.....										
<b>#Zymbal's Gland:</b>										
Carcinoma										
					0/50 (0%)					
Overall Incidence					Total	0/50 (0%)		Mean 0%		SD 0%
.....										

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F 344/N  
Length of Study: CHRONIC

**Toxicology Data Management System**  
Tumor Incidence for Selected Control Animal Groups  
Route: PERINATAL AND POSTNATAL  
Vehicle: FEED

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	Male				Female			
<b>#Zymbal's Gland:</b>								
<b>Carcinoma or Adenoma</b>								
		1/50 (2%)				0/50 (0%)		
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

---

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: May2011  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F 344/N  
Length of Study: CHRONIC

**Toxicology Data Management System**  
Tumor Incidence for Selected Control Animal Groups  
Route: SKIN  
Vehicle: ACETONE

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**Study Summary**

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
<b>Male</b>							
Southern Research Institute	058813307	01/18/05	729	50(1)	23(681)	516.1	Trimethylolpropane triacrylate
<b>Female</b>							
Southern Research Institute	058813307	01/18/05	731	50(1)	27(688)	352.8	Trimethylolpropane triacrylate

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>#All Organs:</b>							
<b>Benign Tumors</b>							
		48/50 (96%)			43/50 (86%)		
<b>Overall Incidence</b>	Total	48/50 (96%)	Mean 96%	SD 0%	Total	43/50 (86%)	Mean 86% SD 0%
.....							
<b>#All Organs:</b>							
<b>Malignant Tumors</b>							
		30/50 (60%)			21/50 (42%)		
<b>Overall Incidence</b>	Total	30/50 (60%)	Mean 60%	SD 0%	Total	21/50 (42%)	Mean 42% SD 0%
.....							
<b>#All Organs:</b>							
<b>Malignant and Benign Tumors</b>							
		50/50 (100%)			47/50 (94%)		
<b>Overall Incidence</b>	Total	50/50 (100%)	Mean 100%	SD 0%	Total	47/50 (94%)	Mean 94% SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangioma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangiosarcoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangiosarcoma or Hemangioma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>#All Organs:</b>							
<b>Histiocytic Sarcoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
						Mean 0%	SD 0%
.....							
<b>#All Organs:</b>							
<b>Leukemia: Erythrocytic</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
						Mean 0%	SD 0%
.....							
<b>#All Organs:</b>							
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>							
		26/50	(52%)		12/50	(24%)	
<b>Overall Incidence</b>	Total	26/50	(52%)	Mean 52%	SD 0%	Total	12/50 (24%)
						Mean 24%	SD 0%
.....							
<b>#All Organs:</b>							
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
						Mean 0%	SD 0%
.....							
<b>#All Organs:</b>							
<b>Mesothelioma: Benign</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
						Mean 0%	SD 0%
.....							
<b>#All Organs:</b>							
<b>Mesothelioma: Benign, Malignant, NOS</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
						Mean 0%	SD 0%
.....							

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>#All Organs:</b>							
<b>Mesothelioma: Malignant</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
						Mean 0%	SD 0%
.....							
<b>#All Organs:</b>							
<b>Osteoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
						Mean 0%	SD 0%
.....							
<b>#All Organs:</b>							
<b>Osteosarcoma</b>							
		2/50	(4%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	2/50	(4%)	Mean 4%	SD 0%	Total	0/50 (0%)
						Mean 0%	SD 0%
.....							
<b>#All Organs:</b>							
<b>Osteosarcoma or Osteoma</b>							
		2/50	(4%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	2/50	(4%)	Mean 4%	SD 0%	Total	0/50 (0%)
						Mean 0%	SD 0%
.....							
<b>*Adrenal Cortex:</b>							
<b>Adenoma</b>							
		1/50	(2%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50 (0%)
						Mean 0%	SD 0%
.....							
<b>*Adrenal Cortex:</b>							
<b>Carcinoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
						Mean 0%	SD 0%
.....							

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>*Adrenal Medulla: Ganglioneuroma</b>							
		0/49 (0%)			0/48 (0%)		
<b>Overall Incidence</b>	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/48 (0%)	Mean 0% SD 0%
.....							
<b>*Adrenal Medulla: Hemangioma</b>							
		0/49 (0%)			0/48 (0%)		
<b>Overall Incidence</b>	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/48 (0%)	Mean 0% SD 0%
.....							
<b>*Adrenal Medulla: Pheochromocytoma Benign</b>							
		11/49 (22%)			0/48 (0%)		
<b>Overall Incidence</b>	Total	11/49 (22.45%)	Mean 22.45%	SD 0%	Total	0/48 (0%)	Mean 0% SD 0%
.....							
<b>*Adrenal Medulla: Pheochromocytoma Complex</b>							
		0/49 (0%)			0/48 (0%)		
<b>Overall Incidence</b>	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/48 (0%)	Mean 0% SD 0%
.....							
<b>*Adrenal Medulla: Pheochromocytoma Malignant</b>							
		1/49 (2%)			0/48 (0%)		
<b>Overall Incidence</b>	Total	1/49 (2.04%)	Mean 2.04%	SD 0%	Total	0/48 (0%)	Mean 0% SD 0%
.....							
<b>*Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS</b>							
		12/49 (24%)			0/48 (0%)		
<b>Overall Incidence</b>	Total	12/49 (24.49%)	Mean 24.49%	SD 0%	Total	0/48 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>#Bone:</b>									
<b>Chordoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Bone:</b>									
<b>Osteoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Bone:</b>									
<b>Osteosarcoma</b>									
		2/50	(4%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	2/50	(4%)	Mean 4%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Bone:</b>									
<b>Osteosarcoma or Osteoma</b>									
		2/50	(4%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	2/50	(4%)	Mean 4%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Astrocytoma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Ependymoma Benign</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>*Brain:</b>									
<b>Ependymoma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Glioma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Glioma Benign</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Glioma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Granular Cell Tumor Benign</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma Benign</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male				Female			
<b>*Brain:</b>								
<b>Oligodendroglioma Malignant</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>*Brain:</b>								
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>*Brain:</b>								
<b>Osteosarcoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>*Brain:</b>								
<b>Schwannoma Malignant</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>*Clitoral/Preputial Gland:</b>								
<b>Adenoma</b>								
		3/50	(6%)			4/50	(8%)	
<b>Overall Incidence</b>	Total	3/50	(6%)	Mean 6%	SD 0%	Total	4/50	(8%)
.....								
<b>*Clitoral/Preputial Gland:</b>								
<b>Carcinoma</b>								
		0/50	(0%)			7/50	(14%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	7/50	(14%)
.....								

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male				Female			
<b>*Clitoral/Preputial Gland: Carcinoma or Adenoma</b>								
		3/50 (6%)				10/50 (20%)		
<b>Overall Incidence</b>	Total	3/50 (6%)	Mean 6%	SD 0%	Total	10/50 (20%)	Mean 20%	SD 0%
.....								
<b>*Clitoral/Preputial Gland: Sarcoma</b>								
		0/50 (0%)				0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Ear: Neural Crest Tumor</b>								
		0/50 (0%)				0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Esophagus: Lipoma</b>								
		0/50 (0%)				0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Eye: Melanoma Benign</b>								
		0/50 (0%)				0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Eye: Melanoma Malignant</b>								
		0/50 (0%)				0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>#Eye:</b>									
<b>Schwannoma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Harderian Gland:</b>									
<b>Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Harderian Gland:</b>									
<b>Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Harderian Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Heart:</b>									
<b>Schwannoma Benign</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Heart:</b>									
<b>Schwannoma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Hemangioma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Duodenum:</b>									
<b>Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Duodenum:</b>									
<b>Leiomyoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Duodenum:</b>									
<b>Schwannoma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>#Intestine Small: Ileum:</b>									
<b>Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Granular Cell Tumor Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>#Intestine Small: Site Unspecified: Carcinoma</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Site Unspecified: Carcinoma or Adenoma</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Site Unspecified: Granular Cell Tumor Malignant</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Site Unspecified: Leiomyoma</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Site Unspecified: Leiomyosarcoma</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Intestine Small: Site Unspecified: Schwannoma Malignant</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>*Islets, Pancreatic:</b>							
<b>Adenoma</b>							
		18/50 (36%)			3/50 (6%)		
<b>Overall Incidence</b>	Total	18/50 (36%)	Mean 36%	SD 0%	Total	3/50 (6%)	Mean 6% SD 0%
.....							
<b>*Islets, Pancreatic:</b>							
<b>Carcinoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Islets, Pancreatic:</b>							
<b>Carcinoma or Adenoma</b>							
		18/50 (36%)			3/50 (6%)		
<b>Overall Incidence</b>	Total	18/50 (36%)	Mean 36%	SD 0%	Total	3/50 (6%)	Mean 6% SD 0%
.....							
<b>*Kidney: Pelvis and Transitional Epithelium:</b>							
<b>Carcinoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Kidney: Pelvis and Transitional Epithelium:</b>							
<b>Carcinoma or Adenoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Kidney: Pelvis and Transitional Epithelium:</b>							
<b>Papilloma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>*Kidney: Renal Tubule: Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Lipoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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 Report Date: 05/18/2011

		Male				Female			
<b>*Kidney: Renal Tubule:</b>									
<b>Mesenchymal Tumor Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	0/50	(0%)	Mean 0%	SD 0%
.....									
<b>*Kidney: Renal Tubule:</b>									
<b>Nephroblastoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	0/50	(0%)	Mean 0%	SD 0%
.....									
<b>*Kidney: Renal Tubule:</b>									
<b>Sarcoma</b>									
		0/50	(0%)			1/50	(2%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	1/50	(2%)	Mean 2%	SD 0%
.....									
<b>*Liver:</b>									
<b>Cholangioma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	0/50	(0%)	Mean 0%	SD 0%
.....									
<b>*Liver:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	0/50	(0%)	Mean 0%	SD 0%
.....									
<b>*Liver:</b>									
<b>Hepatocellular Adenoma</b>									
		1/50	(2%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	0/50	(0%)	Mean 0%	SD 0%
.....									

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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 Report Date: 05/18/2011

	Male				Female			
<b>*Liver:</b>								
<b>Hepatocellular Carcinoma</b>								
		1/50	(2%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>*Liver:</b>								
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>								
		1/50	(2%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>*Liver:</b>								
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>								
		2/50	(4%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	2/50	(4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>*Liver:</b>								
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>								
		2/50	(4%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	2/50	(4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>*Liver:</b>								
<b>Ito Cell Tumor Benign</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>*Lung:</b>								
<b>Alveolar/Bronchiolar Adenoma</b>								
		1/50	(2%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male				Female			
<b>*Lung:</b>								
<b>Alveolar/Bronchiolar Carcinoma</b>								
		1/50	(2%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>*Lung:</b>								
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>								
		2/50	(4%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	2/50	(4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>*Lung:</b>								
<b>Fibrosarcoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>*Lung:</b>								
<b>Hemangiosarcoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>*Lung:</b>								
<b>Squamous Cell Carcinoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>#Lymph Node:</b>								
<b>Hemangiosarcoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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 Report Date: 05/18/2011

	Male				Female			
<b>#Mammary Gland:</b>								
<b>Adenolipoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Mammary Gland:</b>								
<b>Adenoma</b>								
		0/50	(0%)			4/50	(8%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	4/50	(8%)
.....								
<b>#Mammary Gland:</b>								
<b>Carcinoma</b>								
		0/50	(0%)			3/50	(6%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	3/50	(6%)
.....								
<b>#Mammary Gland:</b>								
<b>Carcinoma or Adenoma</b>								
		0/50	(0%)			6/50	(12%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	6/50	(12%)
.....								
<b>#Mammary Gland:</b>								
<b>Fibroadenoma</b>								
		1/50	(2%)			22/50	(44%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	22/50	(44%)
.....								
<b>#Mammary Gland:</b>								
<b>Fibroma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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 Report Date: 05/18/2011

	Male				Female			
<b>#Mammary Gland:</b>								
<b>Fibroma, Fibroadenoma or Adenoma</b>								
		1/50	(2%)			25/50	(50%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	25/50 (50%)	Mean 50% SD 0%
.....								
<b>#Mammary Gland:</b>								
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>								
		1/50	(2%)			25/50	(50%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	25/50 (50%)	Mean 50% SD 0%
.....								
<b>#Mesentery:</b>								
<b>Fibrous Histiocytoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>#Mesentery:</b>								
<b>Hemangiosarcoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>#Mesentery:</b>								
<b>Lipoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>#Mesentery:</b>								
<b>Schwannoma Malignant</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>*Nose:</b>							
<b>Adenoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Nose:</b>							
<b>Squamous Cell Carcinoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>							
<b>Papilloma Squamous or Papilloma</b>							
		1/50 (2%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>							
<b>Squamous Cell Carcinoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>							
<b>Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>							
		1/50 (2%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Oral Mucosa:</b>							
<b>Squamous Cell Carcinoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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 Report Date: 05/18/2011

	Male				Female			
<b>#Oral Mucosa:</b>								
<b>Squamous Cell Papilloma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>*Ovary:</b>								
<b>Cystadenoma</b>								
						0/50	(0%)	
<b>Overall Incidence</b>						Total	0/50	(0%)
.....								
<b>*Ovary:</b>								
<b>Fibrosarcoma</b>								
						0/50	(0%)	
<b>Overall Incidence</b>						Total	0/50	(0%)
.....								
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor Benign</b>								
						0/50	(0%)	
<b>Overall Incidence</b>						Total	0/50	(0%)
.....								
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor Malignant</b>								
						1/50	(2%)	
<b>Overall Incidence</b>						Total	1/50	(2%)
.....								
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>								
						1/50	(2%)	
<b>Overall Incidence</b>						Total	1/50	(2%)
.....								

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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Male					Female					
<b>*Ovary:</b>										
<b>Granulosa-Theca Tumor Benign</b>										
					0/50	(0%)				
<b>Overall Incidence</b>					Total	0/50 (0%)	Mean	0%	SD	0%
.....										
<b>*Ovary:</b>										
<b>Granulosa-Theca Tumor Malignant</b>										
					0/50	(0%)				
<b>Overall Incidence</b>					Total	0/50 (0%)	Mean	0%	SD	0%
.....										
<b>*Ovary:</b>										
<b>Schwannoma Malignant</b>										
					0/50	(0%)				
<b>Overall Incidence</b>					Total	0/50 (0%)	Mean	0%	SD	0%
.....										
<b>*Ovary:</b>										
<b>Tubulostromal Adenoma</b>										
					0/50	(0%)				
<b>Overall Incidence</b>					Total	0/50 (0%)	Mean	0%	SD	0%
.....										
<b>*Pancreas:</b>										
<b>Adenoma</b>										
					1/50	(2%)				
<b>Overall Incidence</b>					Total	1/50 (2%)	Mean	2%	SD	0%
					Total	0/50 (0%)	Mean	0%	SD	0%
.....										
<b>*Pancreas:</b>										
<b>Carcinoma</b>										
					0/50	(0%)				
<b>Overall Incidence</b>					Total	0/50 (0%)	Mean	0%	SD	0%
					Total	0/50 (0%)	Mean	0%	SD	0%
.....										

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>*Pancreas:</b>							
<b>Carcinoma or Adenoma</b>							
		1/50 (2%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Pancreas:</b>							
<b>Mixed Tumor Benign</b>							
		1/50 (2%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Pancreas:</b>							
<b>Mixed Tumor Malignant</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Parathyroid Gland:</b>							
<b>Adenoma</b>							
		0/45 (0%)			0/45 (0%)		
<b>Overall Incidence</b>	Total	0/45 (0%)	Mean 0%	SD 0%	Total	0/45 (0%)	Mean 0% SD 0%
.....							
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>							
<b>Adenoma</b>							
		34/49 (69%)			36/50 (72%)		
<b>Overall Incidence</b>	Total	34/49 (69.39%)	Mean 69.39%	SD 0%	Total	36/50 (72%)	Mean 72% SD 0%
.....							
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>							
<b>Carcinoma</b>							
		0/49 (0%)			2/50 (4%)		
<b>Overall Incidence</b>	Total	0/49 (0%)	Mean 0%	SD 0%	Total	2/50 (4%)	Mean 4% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male				Female			
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>								
<b>  Carcinoma or Adenoma</b>								
		34/49	(69%)			38/50	(76%)	
<b>Overall Incidence</b>	Total	34/49	(69.39%)	Mean 69.39%	SD 0%	Total	38/50	(76%)
							Mean 76%	SD 0%
.....								
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>								
<b>  Ganglioneuroma</b>								
		0/49	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/49	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
							Mean 0%	SD 0%
.....								
<b>*Pituitary Gland: Pars Intermedia:</b>								
<b>  Adenoma</b>								
		0/49	(0%)			1/50	(2%)	
<b>Overall Incidence</b>	Total	0/49	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)
							Mean 2%	SD 0%
.....								
<b>*Pituitary Gland: Pars Intermedia:</b>								
<b>  Carcinoma or Adenoma</b>								
		0/49	(0%)			1/50	(2%)	
<b>Overall Incidence</b>	Total	0/49	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)
							Mean 2%	SD 0%
.....								
<b>*Pituitary Gland: Pars Nervosa:</b>								
<b>  Craniopharyngioma</b>								
		0/49	(0%)			1/50	(2%)	
<b>Overall Incidence</b>	Total	0/49	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)
							Mean 2%	SD 0%
.....								
<b>*Prostate:</b>								
<b>  Adenoma</b>								
		0/50	(0%)					
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%			

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>*Prostate:</b>									
<b>  Carcinoma or Adenoma</b>									
		0/50	(0%)						
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%				
.....									
<b>*Salivary Glands:</b>									
<b>  Carcinoma</b>									
		1/50	(2%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Salivary Glands:</b>									
<b>  Carcinoma or Adenoma</b>									
		1/50	(2%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Salivary Glands:</b>									
<b>  Sarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Salivary Glands:</b>									
<b>  Schwannoma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Seminal Vesicle:</b>									
<b>  Adenoma</b>									
		0/50	(0%)						
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%				

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>#Skeletal Muscle:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Skeletal Muscle:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma or Rhabdomyoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma</b>									
		0/50	(0%)			1/50	(2%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma or Basosquamous Tumor Benign</b>									
		0/50	(0%)			1/50	(2%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male				Female			
<b>#Skin:</b>								
<b>Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma</b>								
		0/50	(0%)			1/50	(2%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)
							Mean 2%	SD 0%
.....								
<b>#Skin:</b>								
<b>Basal Cell Carcinoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
							Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
							Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>								
		0/50	(0%)			1/50	(2%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)
							Mean 2%	SD 0%
.....								
<b>#Skin:</b>								
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>								
		5/50	(10%)			1/50	(2%)	
<b>Overall Incidence</b>	Total	5/50	(10%)	Mean 10%	SD 0%	Total	1/50	(2%)
							Mean 2%	SD 0%
.....								
<b>#Skin:</b>								
<b>Fibroma</b>								
		4/50	(8%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	4/50	(8%)	Mean 8%	SD 0%	Total	0/50	(0%)
							Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male				Female			
<b>#Skin:</b>								
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma								
		4/50 (8%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	4/50 (8%)	Mean 8%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
Fibrosarcoma								
		0/50 (0%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma								
		0/50 (0%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
Fibrous Histiocytoma								
		0/50 (0%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
Hemangioma								
		0/50 (0%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
Hemangiosarcoma								
		0/50 (0%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>#Skin:</b>							
<b>Keratoacanthoma</b>							
		4/50	(8%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	4/50	(8%)	Mean 8%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>#Skin:</b>							
<b>Lipoma</b>							
		2/50	(4%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	2/50	(4%)	Mean 4%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>#Skin:</b>							
<b>Liposarcoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>#Skin:</b>							
<b>Neural Crest Tumor</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>#Skin:</b>							
<b>Neural Crest Tumor, Malignant</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>#Skin:</b>							
<b>Neurofibroma or Schwannoma benign</b>							
		0/50	(0%)		1/50	(2%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50 (2%)
							Mean 2%
							SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male				Female			
<b>#Skin:</b>								
<b>Neurofibrosarcoma or Schwannoma (malignant or NOS)</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
								Mean 0%
								SD 0%
.....								
<b>#Skin:</b>								
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>								
		0/50	(0%)			1/50	(2%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)
								Mean 2%
								SD 0%
.....								
<b>#Skin:</b>								
<b>Sarcoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
								Mean 0%
								SD 0%
.....								
<b>#Skin:</b>								
<b>Schwannoma Benign</b>								
		0/50	(0%)			1/50	(2%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)
								Mean 2%
								SD 0%
.....								
<b>#Skin:</b>								
<b>Schwannoma Malignant</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
								Mean 0%
								SD 0%
.....								
<b>#Skin:</b>								
<b>Squamous Cell Carcinoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
								Mean 0%
								SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male				Female			
<b>#Skin:</b>								
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Squamous Cell Papilloma</b>								
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Squamous Cell Papilloma or Papilloma</b>								
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>								
<b>Overall Incidence</b>	Total	5/50 (10%)	Mean 10%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>								
<b>Overall Incidence</b>	Total	5/50 (10%)	Mean 10%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Trichoepithelioma</b>								
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male				Female			
<b>#Skin: Sebaceous Gland:</b>								
<b>Adenoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Skin: Sebaceous Gland:</b>								
<b>Carcinoma or Adenoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Spinal Cord:</b>								
<b>Astrocytoma Benign</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Spinal Cord:</b>								
<b>Astrocytoma Malignant</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Spinal Cord:</b>								
<b>Glioma Malignant</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>*Spleen:</b>								
<b>Fibrosarcoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>*Spleen:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Spleen:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Spleen:</b>									
<b>Leiomyosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Spleen:</b>									
<b>Sarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Stomach, Forestomach:</b>									
<b>Leiomyosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male				Female			
<b>#Stomach, Forestomach:</b>								
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Stomach, Forestomach:</b>								
<b>Squamous Cell Papilloma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Stomach, Glandular:</b>								
<b>Carcinoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Stomach, Glandular:</b>								
<b>Carcinoma or Adenoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Stomach, Glandular:</b>								
<b>Lipoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Stomach, Glandular:</b>								
<b>Sarcoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>*Testes:</b>									
<b>Adenoma</b>									
		27/50	(54%)						
<b>Overall Incidence</b>	Total	27/50	(54%)	Mean 54%	SD 0%				
.....									
<b>*Testes:</b>									
<b>Hemangioma</b>									
		0/50	(0%)						
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%				
.....									
<b>*Thymus:</b>									
<b>Thymoma Benign</b>									
		0/45	(0%)			0/47	(0%)		
<b>Overall Incidence</b>	Total	0/45	(0%)	Mean 0%	SD 0%	Total	0/47	(0%)	Mean 0% SD 0%
.....									
<b>*Thymus:</b>									
<b>Thymoma Malignant</b>									
		0/45	(0%)			0/47	(0%)		
<b>Overall Incidence</b>	Total	0/45	(0%)	Mean 0%	SD 0%	Total	0/47	(0%)	Mean 0% SD 0%
.....									
<b>*Thymus:</b>									
<b>Thymoma NOS</b>									
		0/45	(0%)			0/47	(0%)		
<b>Overall Incidence</b>	Total	0/45	(0%)	Mean 0%	SD 0%	Total	0/47	(0%)	Mean 0% SD 0%
.....									
<b>*Thymus:</b>									
<b>Thymoma: Benign, Malignant, NOS</b>									
		0/45	(0%)			0/47	(0%)		
<b>Overall Incidence</b>	Total	0/45	(0%)	Mean 0%	SD 0%	Total	0/47	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>*Thyroid Gland: C-Cell: Adenoma</b>							
<b>Overall Incidence</b>	Total	8/50 (16%)	Mean 16%	SD 0%	Total	3/50 (6%)	Mean 6% SD 0%
.....							
<b>*Thyroid Gland: C-Cell: Carcinoma</b>							
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Thyroid Gland: C-Cell: Carcinoma or Adenoma</b>							
<b>Overall Incidence</b>	Total	8/50 (16%)	Mean 16%	SD 0%	Total	3/50 (6%)	Mean 6% SD 0%
.....							
<b>*Thyroid Gland: Follicular Cell: Adenoma</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male				Female			
<b>#Tissue NOS:</b>								
<b>Paranglioma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Tongue:</b>								
<b>Squamous Cell Carcinoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Tongue:</b>								
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>								
		1/50	(2%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)
.....								
<b>#Tongue:</b>								
<b>Squamous Cell Papilloma</b>								
		1/50	(2%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)
.....								
<b>#Tooth:</b>								
<b>Adamantinoma Malignant</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Tooth:</b>								
<b>Odontoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>*Urinary Bladder:</b>									
<b>  Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Urinary Bladder:</b>									
<b>  Carcinoma or Papilloma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Urinary Bladder:</b>									
<b>  Hemangiosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Urinary Bladder:</b>									
<b>  Papilloma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Uterus:</b>									
<b>  Adenoma</b>									
						0/50	(0%)		
<b>Overall Incidence</b>						Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Uterus:</b>									
<b>  Carcinoma</b>									
						0/50	(0%)		
<b>Overall Incidence</b>						Total	0/50	(0%)	Mean 0% SD 0%
.....									

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male		Female	
<b>#Uterus:</b>				
<b>Deciduoma Benign</b>				
		0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%
.....				
<b>#Uterus:</b>				
<b>Leiomyosarcoma</b>				
		0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%
.....				
<b>#Uterus:</b>				
<b>Polyp Stromal</b>				
		9/50 (18%)		
<b>Overall Incidence</b>	Total	9/50 (18%)	Mean 18%	SD 0%
.....				
<b>#Uterus:</b>				
<b>Sarcoma</b>				
		0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%
.....				
<b>#Uterus:</b>				
<b>Sarcoma Stromal</b>				
		0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%
.....				
<b>#Uterus:</b>				
<b>Sarcoma Stromal or Polyp Stromal</b>				
		9/50 (18%)		
<b>Overall Incidence</b>	Total	9/50 (18%)	Mean 18%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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Male				Female				
<b>#Uterus:</b>								
Schwannoma Malignant								
				0/50	(0%)			
Overall Incidence				Total	0/50 (0%)	Mean 0%	SD 0%	
.....								
<b>#Vagina:</b>								
Polyp								
				1/50	(2%)			
Overall Incidence				Total	1/50 (2%)	Mean 2%	SD 0%	
.....								
<b>#Vagina:</b>								
Sarcoma								
				0/50	(0%)			
Overall Incidence				Total	0/50 (0%)	Mean 0%	SD 0%	
.....								
<b>#Vagina:</b>								
Schwannoma Malignant								
				0/50	(0%)			
Overall Incidence				Total	0/50 (0%)	Mean 0%	SD 0%	
.....								
<b>#Zymbal's Gland:</b>								
Adenoma								
		1/50	(2%)					
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Zymbal's Gland:</b>								
Carcinoma								
		0/50	(0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F 344/N  
Length of Study: CHRONIC

**Toxicology Data Management System**  
Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	<b>Male</b>				<b>Female</b>			
<b>#Zymbal's Gland:</b>								
<b>Carcinoma or Adenoma</b>		1/50 (2%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

---

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: May2011  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F 344/N  
Length of Study: CHRONIC

**Toxicology Data Management System**  
Tumor Incidence for Selected Control Animal Groups  
Route: SKIN  
Vehicle: ETHANOL

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**Study Summary**

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
<b>Male</b>							
Battelle Columbus Laboratory	059902805	09/16/02	729	50(1)	21(676)	506.2	bis(2-Chloroethoxy)methane
Battelle Columbus Laboratory	059700307	07/10/02	728	50(1)	25(680)	510.4	1,2-Dibromo-2,4-dicyanobutane
Southern Research Institute	059500305	04/05/04	729	50(1)	27(683)	508.5	Methyl trans-styryl ketone
Battelle Columbus Laboratory	059903203	09/15/04	727	50(1)	23(651)	510.1	Pyrogallol
<b>Female</b>							
Battelle Columbus Laboratory	059902805	09/17/02	730	50(1)	19(646)	341.0	bis(2-Chloroethoxy)methane
Battelle Columbus Laboratory	059700307	07/11/02	729	50(1)	29(695)	337.8	1,2-Dibromo-2,4-dicyanobutane
Southern Research Institute	059500305	04/05/04	732	50(1)	30(685)	356.2	Methyl trans-styryl ketone
Battelle Columbus Laboratory	059903203	09/16/04	728	50(1)	29(670)	351.0	Pyrogallol

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female		
<b>#All Organs:</b>							
<b>Benign Tumors</b>							
		49/50 (98%)	46/50 (92%)	46/50 (92%)	37/50 (74%)	46/50 (92%)	47/50 (94%)
		47/50 (94%)			43/50 (86%)		
<b>Overall Incidence</b>	Total	188/200 (94%)	Mean 94%	SD 2.83%	Total	173/200 (86.5%)	Mean 86.5% SD 9%
.....							
<b>#All Organs:</b>							
<b>Malignant Tumors</b>							
		26/50 (52%)	23/50 (46%)	33/50 (66%)	19/50 (38%)	15/50 (30%)	22/50 (44%)
		22/50 (44%)			12/50 (24%)		
<b>Overall Incidence</b>	Total	104/200 (52%)	Mean 52%	SD 9.93%	Total	68/200 (34%)	Mean 34% SD 8.79%
.....							
<b>#All Organs:</b>							
<b>Malignant and Benign Tumors</b>							
		49/50 (98%)	50/50 (100%)	48/50 (96%)	44/50 (88%)	48/50 (96%)	49/50 (98%)
		49/50 (98%)			45/50 (90%)		
<b>Overall Incidence</b>	Total	196/200 (98%)	Mean 98%	SD 1.63%	Total	186/200 (93%)	Mean 93% SD 4.76%
.....							
<b>#All Organs:</b>							
<b>Hemangioma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangiosarcoma</b>							
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#All Organs:</b>									
<b>Hemangiosarcoma or Hemangioma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Histiocytic Sarcoma</b>									
		1/50 (2%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#All Organs:</b>									
<b>Leukemia: Erythrocytic</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>									
		17/50 (34%)	17/50 (34%)	26/50 (52%)		12/50 (24%)	10/50 (20%)	18/50 (36%)	
		11/50 (22%)				8/50 (16%)			
<b>Overall Incidence</b>	Total	71/200 (35.5%)	Mean 35.5%	SD 12.37%	Total	48/200 (24%)	Mean 24%	SD 8.64%	
.....									
<b>#All Organs:</b>									
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#All Organs:</b>									
<b>Mesothelioma: Benign</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Mesothelioma: Benign, Malignant, NOS</b>									
		2/50 (4%)	1/50 (2%)	4/50 (8%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	9/200 (4.5%)	Mean 4.5%	SD 2.52%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Mesothelioma: Malignant</b>									
		2/50 (4%)	0/50 (0%)	4/50 (8%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	8/200 (4%)	Mean 4%	SD 3.27%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Osteoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			1/50 (2%)				
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#All Organs:</b>									
<b>Osteosarcoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#All Organs:</b>									
<b>Osteosarcoma or Osteoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Adrenal Cortex:</b>									
<b>Adenoma</b>									
		0/50 (0%)	3/50 (6%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	4/50 (8%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 3%	Total	5/200 (2.5%)	Mean 2.5%	SD 3.79%	
.....									
<b>*Adrenal Cortex:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Ganglioneuroma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Benign</b>									
		3/50 (6%)	5/50 (10%)	11/49 (22%)		1/50 (2%)	1/50 (2%)	1/49 (2%)	
		4/50 (8%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	23/199 (11.56%)	Mean 11.61%	SD 7.41%	Total	4/199 (2.01%)	Mean 2.01%	SD 0.02%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Complex</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/199 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma: Benign, Complex, Malignant, NOS</b>									
		3/50 (6%)	5/50 (10%)	11/49 (22%)		1/50 (2%)	1/50 (2%)	1/49 (2%)	
		5/50 (10%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	24/199 (12.06%)	Mean 12.11%	SD 7.14%	Total	4/199 (2.01%)	Mean 2.01%	SD 0.02%	
.....									
<b>#Bone:</b>									
<b>Chordoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#Bone:</b>									
<b>Osteoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Bone:</b>									
<b>Osteosarcoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Bone:</b>									
<b>Osteosarcoma or Osteoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Brain:</b>									
<b>Astrocytoma Malignant</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Ependymoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>*Brain:</b>									
<b>Ependymoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Glioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Glioma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Glioma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Granular Cell Tumor Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>*Brain:</b>									
<b>Oligodendroglioma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Brain:</b>									
<b>Osteosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Schwannoma Malignant</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>*Clitoral/Preputial Gland:</b>									
<b>Adenoma</b>									
		2/50 (4%)	2/50 (4%)	1/50 (2%)		2/50 (4%)	6/50 (12%)	6/50 (12%)	
		0/50 (0%)				3/50 (6%)			
<b>Overall Incidence</b>	Total	5/200 (2.5%)	Mean 2.5%	SD 1.91%	Total	17/200 (8.5%)	Mean 8.5%	SD 4.12%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	3/50 (6%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 3%	Total	4/200 (2%)	Mean 2%	SD 2.83%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		2/50 (4%)	2/50 (4%)	4/50 (8%)		2/50 (4%)	6/50 (12%)	9/50 (18%)	
		0/50 (0%)				4/50 (8%)			
<b>Overall Incidence</b>	Total	8/200 (4%)	Mean 4%	SD 3.27%	Total	21/200 (10.5%)	Mean 10.5%	SD 5.97%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Ear:</b>									
<b>Neural Crest Tumor</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#Esophagus:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Eye:</b>									
<b>Melanoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Eye:</b>									
<b>Melanoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Eye:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Harderian Gland:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	2/50 (4%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	2/200 (1%)	Mean 1%	SD 2%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#Harderian Gland:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Harderian Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	2/50 (4%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	2/200 (1%)	Mean 1%	SD 2%	
.....									
<b>*Heart:</b>									
<b>Schwannoma Benign</b>									
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 2%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Heart:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 2%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	2/200 (1%)	Mean 1%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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 Report Date: 05/18/2011

		Male				Female			
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	2/200 (1%)	Mean 1%	SD 1.15%	
.....									
<b>#Intestine Large: Colon/Rectum:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Duodenum:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Duodenum:</b>									
<b>Leiomyoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Duodenum:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#Intestine Small: Ileum:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Granular Cell Tumor Malignant</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#Intestine Small: Site Unspecified: Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Intestine Small: Site Unspecified: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified: Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Intestine Small: Site Unspecified: Granular Cell Tumor Malignant</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified: Leiomyoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#Intestine Small: Site Unspecified:</b>									
<b>Leiomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Islets, Pancreatic:</b>									
<b>Adenoma</b>									
		3/50 (6%)	6/50 (12%)	5/49 (10%)		0/50 (0%)	0/50 (0%)	3/49 (6%)	
		3/50 (6%)				2/50 (4%)			
<b>Overall Incidence</b>	Total	17/199 (8.54%)	Mean 8.55%	SD 3.04%	Total	5/199 (2.51%)	Mean 2.53%	SD 3.05%	
.....									
<b>*Islets, Pancreatic:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	3/49 (6%)		1/50 (2%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.53%	SD 3.06%	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Islets, Pancreatic:</b>									
<b>Carcinoma or Adenoma</b>									
		3/50 (6%)	6/50 (12%)	8/49 (16%)		1/50 (2%)	0/50 (0%)	3/49 (6%)	
		3/50 (6%)				2/50 (4%)			
<b>Overall Incidence</b>	Total	20/199 (10.05%)	Mean 10.08%	SD 5.03%	Total	6/199 (3.02%)	Mean 3.03%	SD 2.63%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium: Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Adenoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Lipoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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 Report Date: 05/18/2011

		Male				Female			
<b>*Kidney: Renal Tubule:</b>									
<b>  Nephroblastoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule:</b>									
<b>  Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Liver:</b>									
<b>  Cholangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>  Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>  Hepatocellular Adenoma</b>									
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)				2/50 (4%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	Total	2/200 (1%)	Mean 1%	SD 2%	

#: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>									
		0/50 (0%)	1/50 (2%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				2/50 (4%)			
<b>Overall Incidence</b>	Total	4/200 (2%)	Mean 2%	SD 1.63%	Total	2/200 (1%)	Mean 1%	SD 2%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>									
		0/50 (0%)	1/50 (2%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				2/50 (4%)			
<b>Overall Incidence</b>	Total	4/200 (2%)	Mean 2%	SD 1.63%	Total	2/200 (1%)	Mean 1%	SD 2%	
.....									
<b>*Liver:</b>									
<b>Ito Cell Tumor Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Adenoma</b>									
		4/50 (8%)	1/50 (2%)	2/50 (4%)		0/50 (0%)	4/50 (8%)	1/50 (2%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	8/200 (4%)	Mean 4%	SD 2.83%	Total	5/200 (2.5%)	Mean 2.5%	SD 3.79%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma</b>									
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		3/50 (6%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	5/200 (2.5%)	Mean 2.5%	SD 2.52%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>									
		5/50 (10%)	2/50 (4%)	2/50 (4%)		0/50 (0%)	4/50 (8%)	1/50 (2%)	
		4/50 (8%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	13/200 (6.5%)	Mean 6.5%	SD 3%	Total	5/200 (2.5%)	Mean 2.5%	SD 3.79%	
.....									
<b>*Lung:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Lung:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>*Lung:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Lymph Node:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland:</b>									
<b>Adenolipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
		0/50 (0%)				2/50 (4%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	4/200 (2%)	Mean 2%	SD 1.63%	
.....									
<b>#Mammary Gland:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
		1/50 (2%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	6/200 (3%)	Mean 3%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#Mammary Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	3/50 (6%)	3/50 (6%)	
		1/50 (2%)				3/50 (6%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	10/200 (5%)	Mean 5%	SD 2%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroadenoma</b>									
		3/50 (6%)	1/50 (2%)	2/50 (4%)		16/50 (32%)	14/50 (28%)	19/50 (38%)	
		0/50 (0%)				24/50 (48%)			
<b>Overall Incidence</b>	Total	6/200 (3%)	Mean 3%	SD 2.58%	Total	73/200 (36.5%)	Mean 36.5%	SD 8.7%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma or Adenoma</b>									
		3/50 (6%)	1/50 (2%)	2/50 (4%)		16/50 (32%)	15/50 (30%)	19/50 (38%)	
		0/50 (0%)				25/50 (50%)			
<b>Overall Incidence</b>	Total	6/200 (3%)	Mean 3%	SD 2.58%	Total	75/200 (37.5%)	Mean 37.5%	SD 9%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>									
		3/50 (6%)	1/50 (2%)	2/50 (4%)		17/50 (34%)	17/50 (34%)	21/50 (42%)	
		1/50 (2%)				26/50 (52%)			
<b>Overall Incidence</b>	Total	7/200 (3.5%)	Mean 3.5%	SD 1.91%	Total	81/200 (40.5%)	Mean 40.5%	SD 8.54%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#Mesentery:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				2/50 (4%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	2/200 (1%)	Mean 1%	SD 2%	
.....									
<b>*Nose:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/48 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/197 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>*Nose:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/48 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/197 (0%)	Mean 0%	SD 0%	
-----									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Papilloma Squamous or Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
-----									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%	
-----									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
-----									
<b>#Oral Mucosa:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#Oral Mucosa:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Ovary:</b>									
<b>Cystadenoma</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary:</b>									
<b>Fibrosarcoma</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary:</b>									
<b>Granulosa Cell Tumor Benign</b>									
						0/50 (0%)	0/50 (0%)	1/50 (2%)	
						1/50 (2%)			
<b>Overall Incidence</b>	Total				Total	2/200 (1%)	Mean 1%	SD 1.15%	
.....									
<b>*Ovary:</b>									
<b>Granulosa Cell Tumor Malignant</b>									
						1/50 (2%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	1/200 (0.5%)	Mean 0.5%	SD 1%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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	Male	Female
<b>*Ovary:</b>		
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>		
	1/50 (2%)	0/50 (0%)
	1/50 (2%)	1/50 (2%)
<b>Overall Incidence</b>	Total 3/200 (1.5%)	Mean 1.5% SD 1%
.....		
<b>*Ovary:</b>		
<b>Granulosa-Theca Tumor Benign</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total 0/200 (0%)	Mean 0% SD 0%
.....		
<b>*Ovary:</b>		
<b>Granulosa-Theca Tumor Malignant</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total 0/200 (0%)	Mean 0% SD 0%
.....		
<b>*Ovary:</b>		
<b>Schwannoma Malignant</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total 0/200 (0%)	Mean 0% SD 0%
.....		
<b>*Ovary:</b>		
<b>Tubulostromal Adenoma</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total 0/200 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: SKIN  
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		Male				Female			
<b>*Pancreas:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Mixed Tumor Benign</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Mixed Tumor Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>*Parathyroid Gland:</b>									
<b>Adenoma</b>									
		0/49 (0%)	0/49 (0%)	0/49 (0%)		0/43 (0%)	0/46 (0%)	1/50 (2%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	Total	0/197 (0%)	Mean 0%	SD 0%	Total	1/188 (0.53%)	Mean 0.5%	SD 1%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Adenoma</b>									
		35/49 (71%)	32/50 (64%)	33/50 (66%)		22/50 (44%)	35/50 (70%)	31/50 (62%)	
		33/50 (66%)				25/50 (50%)			
<b>Overall Incidence</b>	Total	133/199 (66.83%)	Mean 66.86%	SD 3.19%	Total	113/200 (56.5%)	Mean 56.5%	SD 11.7%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma</b>									
		0/49 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	2/50 (4%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1%	SD 2%	Total	2/200 (1%)	Mean 1%	SD 2%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma or Adenoma</b>									
		35/49 (71%)	32/50 (64%)	35/50 (70%)		22/50 (44%)	35/50 (70%)	33/50 (66%)	
		33/50 (66%)				25/50 (50%)			
<b>Overall Incidence</b>	Total	135/199 (67.84%)	Mean 67.86%	SD 3.45%	Total	115/200 (57.5%)	Mean 57.5%	SD 12.48%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Ganglioneuroma</b>									
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

#: Denominator is number of animals with tissues examined microscopically

\*: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>Adenoma</b>									
		0/49 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>Carcinoma or Adenoma</b>									
		0/49 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Pituitary Gland: Pars Nervosa:</b>									
<b>Craniopharyngioma</b>									
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Prostate:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
		0/50 (0%)							
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%					
.....									
<b>*Prostate:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
		0/50 (0%)							
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%					

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>*Salivary Glands:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Salivary Glands:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Salivary Glands:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Salivary Glands:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Seminal Vesicle:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
		0/50 (0%)							
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%					

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#Skeletal Muscle:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle:</b>									
<b>Hemangiosarcoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skeletal Muscle:</b>									
<b>Rhabdomyosarcoma or Rhabdomyoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#Skin:</b>									
<b>Basal Cell Adenoma or Basosquamous Tumor Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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	Male				Female			
<b>#Skin:</b>								
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>								
		2/50 (4%)	2/50 (4%)	7/50 (14%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		3/50 (6%)				1/50 (2%)		
<b>Overall Incidence</b>	Total	14/200 (7%)	Mean 7%	SD 4.76%	Total	2/200 (1%)	Mean 1%	SD 1.15%
.....								
<b>#Skin:</b>								
<b>Fibroma</b>								
		1/50 (2%)	7/50 (14%)	5/50 (10%)		2/50 (4%)	0/50 (0%)	3/50 (6%)
		1/50 (2%)				1/50 (2%)		
<b>Overall Incidence</b>	Total	14/200 (7%)	Mean 7%	SD 6%	Total	6/200 (3%)	Mean 3%	SD 2.58%
.....								
<b>#Skin:</b>								
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>								
		3/50 (6%)	8/50 (16%)	7/50 (14%)		2/50 (4%)	0/50 (0%)	3/50 (6%)
		1/50 (2%)				1/50 (2%)		
<b>Overall Incidence</b>	Total	19/200 (9.5%)	Mean 9.5%	SD 6.61%	Total	6/200 (3%)	Mean 3%	SD 2.58%
.....								
<b>#Skin:</b>								
<b>Fibrosarcoma</b>								
		2/50 (4%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)		
<b>Overall Incidence</b>	Total	4/200 (2%)	Mean 2%	SD 2.31%	Total	0/200 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>								
		2/50 (4%)	1/50 (2%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)		
<b>Overall Incidence</b>	Total	5/200 (2.5%)	Mean 2.5%	SD 1.91%	Total	0/200 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#Skin:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Keratoacanthoma</b>									
		0/50 (0%)	2/50 (4%)	4/50 (8%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	8/200 (4%)	Mean 4%	SD 3.27%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Lipoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#Skin:</b>									
<b>Liposarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neural Crest Tumor</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neural Crest Tumor, Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neurofibroma or Schwannoma benign</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neurofibrosarcoma or Schwannoma (malignant or NOS)</b>									
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#Skin:</b>									
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>									
		1/50 (2%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Schwannoma Benign</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Schwannoma Malignant</b>									
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: SKIN  
 Vehicle: ETHANOL

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		Male				Female			
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>									
		1/50 (2%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	Total	2/200 (1%)	Mean 1%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma or Papilloma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>									
		1/50 (2%)	2/50 (4%)	6/50 (12%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		3/50 (6%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	12/200 (6%)	Mean 6%	SD 4.32%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>									
		0/50 (0%)	2/50 (4%)	5/50 (10%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		3/50 (6%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	10/200 (5%)	Mean 5%	SD 4.16%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#Skin:</b>									
<b>Trichoepithelioma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin: Sebaceous Gland:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin: Sebaceous Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Spinal Cord:</b>									
<b>Astrocytoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Spinal Cord:</b>									
<b>Astrocytoma Malignant</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#Spinal Cord:</b>									
<b>    Glioma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>    Fibrosarcoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>    Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>    Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>    Leiomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>*Spleen:</b>									
<b>Sarcoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Forestomach:</b>									
<b>Leiomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#Stomach, Glandular:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Glandular:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Glandular:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Glandular:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Testes:</b>									
<b>Adenoma</b>									
		30/50 (60%)	37/50 (74%)	34/50 (68%)					
		37/50 (74%)							
<b>Overall Incidence</b>	Total	138/200 (69%)	Mean 69%	SD 6.63%					

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>*Testes:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
		1/50 (2%)							
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%					
.....									
<b>*Thymus:</b>									
<b>Thymoma Benign</b>									
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/45 (0%)	1/50 (2%)	
		0/47 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/195 (0%)	Mean 0%	SD 0%	Total	2/194 (1.03%)	Mean 1%	SD 1.15%	
.....									
<b>*Thymus:</b>									
<b>Thymoma Malignant</b>									
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/45 (0%)	0/50 (0%)	
		0/47 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/195 (0%)	Mean 0%	SD 0%	Total	0/194 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thymus:</b>									
<b>Thymoma NOS</b>									
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/45 (0%)	0/50 (0%)	
		0/47 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/195 (0%)	Mean 0%	SD 0%	Total	0/194 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thymus:</b>									
<b>Thymoma: Benign, Malignant, NOS</b>									
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/45 (0%)	1/50 (2%)	
		0/47 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/195 (0%)	Mean 0%	SD 0%	Total	2/194 (1.03%)	Mean 1%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female		
<b>*Thyroid Gland: C-Cell: Adenoma</b>							
		10/50 (20%) 9/50 (18%)	10/50 (20%)	6/46 (13%)	6/50 (12%) 7/50 (14%)	8/50 (16%)	7/50 (14%)
<b>Overall Incidence</b>	Total	35/196 (17.86%)	Mean 17.76%	SD 3.28%	Total	28/200 (14%)	Mean 14% SD 1.63%
.....							
<b>*Thyroid Gland: C-Cell: Carcinoma</b>							
		1/50 (2%) 0/50 (0%)	2/50 (4%)	0/46 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%)
<b>Overall Incidence</b>	Total	3/196 (1.53%)	Mean 1.5%	SD 1.91%	Total	1/200 (0.5%)	Mean 0.5% SD 1%
.....							
<b>*Thyroid Gland: C-Cell: Carcinoma or Adenoma</b>							
		11/50 (22%) 9/50 (18%)	12/50 (24%)	6/46 (13%)	6/50 (12%) 7/50 (14%)	8/50 (16%)	8/50 (16%)
<b>Overall Incidence</b>	Total	38/196 (19.39%)	Mean 19.26%	SD 4.84%	Total	29/200 (14.5%)	Mean 14.5% SD 1.91%
.....							
<b>*Thyroid Gland: Follicular Cell: Adenoma</b>							
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/46 (0%)	1/50 (2%) 1/50 (2%)	0/50 (0%)	1/50 (2%)
<b>Overall Incidence</b>	Total	0/196 (0%)	Mean 0%	SD 0%	Total	3/200 (1.5%)	Mean 1.5% SD 1%
.....							
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>							
		0/50 (0%) 0/50 (0%)	1/50 (2%)	2/46 (4%)	1/50 (2%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	3/196 (1.53%)	Mean 1.59%	SD 2.07%	Total	1/200 (0.5%)	Mean 0.5% SD 1%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>*Thyroid Gland: Follicular Cell:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	1/50 (2%)	2/46 (4%)		2/50 (4%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	3/196 (1.53%)	Mean 1.59%	SD 2.07%	Total	4/200 (2%)	Mean 2%	SD 1.63%	
.....									
<b>#Tissue NOS:</b>									
<b>Paranglioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#Tooth:</b>									
<b>Adamantinoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tooth:</b>									
<b>Odontoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Urinary Bladder:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Urinary Bladder:</b>									
<b>Carcinoma or Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Urinary Bladder:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>*Urinary Bladder:</b>									
<b>Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus:</b>									
<b>Adenoma</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus:</b>									
<b>Carcinoma</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus:</b>									
<b>Deciduoma Benign</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus:</b>									
<b>Leiomyosarcoma</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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	Male	Female
<b>#Uterus:</b> <b>Polyp Stromal</b>		
	5/50 (10%) 7/50 (14%)	2/50 (4%) 10/50 (20%)
<b>Overall Incidence</b>	Total 24/200 (12%)	Mean 12% SD 6.73%
<b>#Uterus:</b> <b>Sarcoma</b>		
	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)
<b>Overall Incidence</b>	Total 1/200 (0.5%)	Mean 0.5% SD 1%
<b>#Uterus:</b> <b>Sarcoma Stromal</b>		
	1/50 (2%) 0/50 (0%)	1/50 (2%) 0/50 (0%)
<b>Overall Incidence</b>	Total 2/200 (1%)	Mean 1% SD 1.15%
<b>#Uterus:</b> <b>Sarcoma Stromal or Polyp Stromal</b>		
	6/50 (12%) 7/50 (14%)	3/50 (6%) 10/50 (20%)
<b>Overall Incidence</b>	Total 26/200 (13%)	Mean 13% SD 5.77%
<b>#Uterus:</b> <b>Schwannoma Malignant</b>		
	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
<b>Overall Incidence</b>	Total 0/200 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ETHANOL**

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					Male		Female					
<b>#Vagina:</b>												
<b>Polyp</b>												
					0/50	(0%)	0/50	(0%)	0/50	(0%)		
					0/50	(0%)						
<b>Overall Incidence</b>					Total		Mean 0%		SD 0%			
.....												
<b>#Vagina:</b>												
<b>Sarcoma</b>												
					0/50	(0%)	0/50	(0%)	0/50	(0%)		
					0/50	(0%)						
<b>Overall Incidence</b>					Total		Mean 0%		SD 0%			
.....												
<b>#Vagina:</b>												
<b>Schwannoma Malignant</b>												
					0/50	(0%)	0/50	(0%)	0/50	(0%)		
					0/50	(0%)						
<b>Overall Incidence</b>					Total		Mean 0%		SD 0%			
.....												
<b>#Zymbal's Gland:</b>												
<b>Adenoma</b>												
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)					0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>		Total		Mean 0.5%		SD 1%		Total		Mean 0%		SD 0%
		1/200 (0.5%)										
.....												
<b>#Zymbal's Gland:</b>												
<b>Carcinoma</b>												
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	
		1/50	(2%)					0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>		Total		Mean 1%		SD 1.15%		Total		Mean 0%		SD 0%
		2/200 (1%)										

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: May2011  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: SKIN  
 Vehicle: ETHANOL

Page: 405  
 Report Date: 05/18/2011

		Male				Female								
<b>#Zymbal's Gland:</b>														
<b>Carcinoma or Adenoma</b>														
		1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)			
		1/50	(2%)					0/50	(0%)					
<b>Overall Incidence</b>	Total	3/200 (1.5%)		Mean	1.5%	SD	1%	Total	0/200 (0%)		Mean	0%	SD	0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied