

TDMS No. 93020 - 03

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)
WITH AVERAGE SEVERITY GRADES[b]**

Date Report Requested: 08/08/2005

Test Type: 90-DAY

DIISOPROPYLCARBODIIMIDE

Time Report Requested: 08:53:32

Route: SKIN APPLICATION

CAS Number: 693-13-0

First Dose M/F: 09/06/94 / 09/07/94

Species/Strain: RATS/F 344

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Lab: MBA

Final #2/Rats

C Number: C93020
Lock Date: 05/16/1995
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL

a - Number of animals examined microscopically at site and number of animals with lesion
b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

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FISCHER 344 RATS MALE	0 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	80 MG/KG	160 MG/KG
Disposition Summary						
Animals Initially in Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice					10	3
Natural Death						7
Survivors						
Terminal Sacrifice	10	10	10	10		
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Liver	(10)	(0)	(0)	(10)	(10)	(10)
Centrilobular, Congestion					4 [1.5]	6 [2.3]
Centrilobular, Vacuolization Cytoplasmic					1 [1.0]	6 [1.5]
Periportal, Vacuolization Cytoplasmic	1 [1.0]					
Pancreas	(10)	(0)	(0)	(10)	(10)	(9)
Acinus, Atrophy, Focal	1 [1.0]					
Stomach, Glandular	(10)	(0)	(0)	(10)	(10)	(10)
Infiltration Cellular, Mixed Cell				1 [1.0]		
Cyst				1 [2.0]		
CARDIOVASCULAR SYSTEM						
Heart	(10)	(10)	(10)	(10)	(10)	(10)
Cardiomyopathy	4 [1.3]	4 [1.0]	6 [1.0]	4 [1.0]	5 [1.2]	3 [2.7]
Artery, Inflammation, Chronic Active					1 [1.0]	
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						

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FISCHER 344 RATS MALE	0 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	80 MG/KG	160 MG/KG
GENITAL SYSTEM						
Preputial Gland Inflammation, Chronic Active	(10) 2 [2.0]	(0)	(0)	(10) 2 [2.5]	(10) 1 [2.0]	(10) 4 [1.3]
HEMATOPOIETIC SYSTEM						
Bone Marrow Hemorrhage	(10)	(0)	(0)	(10)	(10)	(10) 2 [2.5]
Lymph Node, Mandibular Hyperplasia, Lymphoid	(10) 1 [2.0]	(0)	(0)	(10)	(10)	(10)
Hyperplasia, Plasma Cell Hemorrhage	1 [2.0]			1 [1.0]		
Lymph Node, Mesenteric Necrosis	(10) 1 [1.0]	(0)	(0)	(10)	(10)	(10)
Spleen Lymphoid Follicle, Depletion Cellular	(10)	(10)	(10)	(10)	(10)	(10) 1 [2.0]
Thymus Necrosis	(10)	(10)	(10)	(10)	(10) 2 [2.0]	(10)
Hemorrhage					2 [2.5]	
Atrophy					2 [2.5]	3 [2.3]
INTEGUMENTARY SYSTEM						
Skin Epidermis, Skin, Site Of Application, Hyperplasia	(10)	(10) 5 [1.0]	(10) 7 [1.0]	(10) 10 [1.6]	(10) 10 [2.0]	(10) 3 [2.3]
Epidermis, Skin, Site Of Application, Necrosis, Focal						9 [2.9]
Skin, Site Of Application, Inflammation, Chronic Active				1 [1.0]	7 [1.7]	10 [2.8]
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						

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Brain	(10)	(10)	(10)	(10)	(10)	(10)
Edema, Focal					5 [1.0]	1 [1.0]
Hemorrhage					1 [1.0]	4 [2.3]
Congestion						1 [3.0]
Arteriole, Necrosis, Fibrinoid						1 [1.0]
Neuron, Necrosis					8 [2.6]	
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(10)	(10)	(10)
Congestion					5 [2.8]	8 [2.8]
Hemorrhage					1 [2.0]	
Alveolus, Infiltration Cellular, Histiocyte	1 [1.0]				1 [1.0]	
Interstitial, Inflammation, Chronic Active	1 [1.0]				1 [2.0]	
Perivascular, Infiltration Cellular,	3 [1.7]			6 [1.0]	1 [2.0]	
Lymphocyte						
Nose	(10)	(0)	(0)	(10)	(10)	(10)
Respiratory Epithelium, Inflammation,	3 [1.3]			1 [1.0]	1 [2.0]	5 [1.4]
Chronic Active						
Respiratory Epithelium, Metaplasia,						3 [1.7]
Squamous						
Squamous Epithelium, Inflammation,				1 [1.0]		
Chronic						
Squamous Epithelium, Inflammation,						1 [2.0]
Chronic Active						
SPECIAL SENSES SYSTEM						
Eye	(0)	(0)	(0)	(0)	(1)	(0)
Cornea, Bilateral, Degeneration, Focal					1 [2.0]	
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(10)	(10)	(10)
Nephropathy	5 [1.0]			2 [1.0]		

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FISCHER 344 RATS MALE	0 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	80 MG/KG	160 MG/KG
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*** END OF MALE ***

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Species/Strain: RATS/F 344

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Lab: MBA

FISCHER 344 RATS FEMALE	0 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	80 MG/KG	160 MG/KG
Disposition Summary						
Animals Initially in Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice					10	10
Survivors						
Accidently Killed	1					
Terminal Sacrifice	9	10	10	10		
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Liver	(10)	(0)	(0)	(10)	(10)	(10)
Congestion					1 [1.0]	
Centrilobular, Congestion						2 [1.0]
Mesentery	(0)	(0)	(0)	(1)	(0)	(0)
Fat, Necrosis				1 [3.0]		
Pancreas	(10)	(0)	(0)	(10)	(10)	(10)
Acinus, Cytoplasmic Alteration, Focal	1 [2.0]					
CARDIOVASCULAR SYSTEM						
Heart	(10)	(10)	(10)	(10)	(10)	(10)
Cardiomyopathy			1 [1.0]	2 [1.0]	2 [1.0]	
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(10)	(10)	(10)
Hypertrophy, Focal	1 [2.0]					
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						

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Clitoral Gland Inflammation, Chronic Active	(8)	(0)	(0)	(6) 1 [1.0]	(10) 2 [1.0]	(10) 1 [1.0]
Ovary Cyst	(10)	(0)	(0)	(10) 1 [2.0]	(10)	(10)
Uterus Hydrometra	(10)	(1)	(5) 5 [3.4]	(10) 4 [2.8]	(10)	(10) 1 [2.0]
HEMATOPOIETIC SYSTEM						
Bone Marrow Hyperplasia, Focal, Lymphoid Hyperplasia, Focal, Histiocytic Hemorrhage Atrophy	(10)	(0)	(0)	(10) 1 [1.0] 2 [1.5]	(10) 1 [1.0]	(10) 2 [2.0]
Lymph Node, Mandibular Hemorrhage Hyperplasia, Lymphoid	(10)	(0)	(0)	(9)	(9) 1 [2.0] 1 [2.0]	(10) 2 [2.0]
Lymph Node, Mesenteric Hyperplasia, Histiocytic Hyperplasia, Lymphoid	(10) 1 [2.0]	(0)	(0)	(10) 1 [2.0] 1 [3.0]	(10)	(10) (10)
Thymus Atrophy	(10)	(10)	(10)	(10)	(10) 4 [2.3]	(10) 1 [3.0]
INTEGUMENTARY SYSTEM						
Skin Epidermis, Skin, Site Of Application, Hyperplasia Epidermis, Skin, Site Of Application, Necrosis, Focal Skin, Site Of Application, Inflammation, Chronic Active	(10) 1 [1.0]	(10) 2 [1.0]	(10) 3 [1.0]	(10) 5 [1.0]	(10) 10 [1.4]	(10) 10 [1.6] 10 [3.7]
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						

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Brain	(10)	(10)	(10)	(10)	(10)	(10)
Edema, Focal					5 [1.0]	2 [1.0]
Hemorrhage					5 [2.2]	6 [2.0]
Arteriole, Necrosis, Fibrinoid					1 [1.0]	
Neuron, Necrosis					8 [2.4]	2 [4.0]
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(10)	(10)	(10)
Congestion					5 [1.8]	8 [2.5]
Hemorrhage					1 [2.0]	
Interstitial, Inflammation, Chronic Active	1 [2.0]			3 [1.7]		
Perivascular, Infiltration Cellular, Lymphocyte	4 [1.3]			5 [2.4]	4 [2.3]	
Nose	(10)	(0)	(0)	(10)	(10)	(10)
Olfactory Epithelium, Atrophy	1 [1.0]					
Olfactory Epithelium, Inflammation, Chronic Active				1 [1.0]		
Respiratory Epithelium, Atrophy					1 [1.0]	
Respiratory Epithelium, Inflammation, Chronic Active	1 [1.0]					2 [1.0]
Squamous Epithelium, Inflammation, Chronic Active					1 [1.0]	
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(10)	(10)	(10)
Congestion					1 [2.0]	1 [2.0]
Medulla, Mineralization	5 [1.0]			6 [1.0]	10 [1.0]	3 [1.0]
Urinary Bladder	(10)	(0)	(0)	(10)	(10)	(10)
Serosa, Mineralization				1 [2.0]		

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