F1_RD

| | |
|---|---|
| **C Number:** | C20214 |
| **Lock Date:** | 12/04/2006 |
| **Cage Range:** | ALL |
| **Date Range:** | ALL |
| **Reasons For Removal:** | ALL |
| **Removal Date Range:** | ALL |
| **Treatment Groups:** | Include ALL |
| **TDMSE Version:** | 1.9.1 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | |
| **FISCHER 344-TACONIC RATS MALE** ANIMAL ID | 001 | 002 | 003 | 004 | 005 | 006 | 007 | 008 | 009 | 010 | *** TOTALS** |
| **0 mg/kg** | | | | | | | | | | | |
| **ALIMENTARY SYSTEM** | | | | | | | | | | | |
| Esophagus | + | + | + | + | + | + | + | + | + | + | **10** |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | **10** |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | **10** |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | **10** |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | **10** |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | **10** |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | **10** |
| Liver | + | + | + | + | + | + | + | + | + | + | **10** |
| Inflammation, Chronic Active | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | **9 1.0** |
| Pancreas | + | + | + | + | + | + | + | + | + | + | **10** |
| Inflammation, Chronic Active | | | | | | | | | | 1 | **1 1.0** |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | **10** |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | **10** |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | |
| **FISCHER 344-TACONIC RATS MALE** | | | | | | | | | | | |
| ANIMAL ID | 001 | 002 | 003 | 004 | 005 | 006 | 007 | 008 | 009 | 010 | |
| **0 mg/kg** | | | | | | | | | | | *** TOTALS** |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | **10** |
| **CARDIOVASCULAR SYSTEM** | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | **10** |
| Heart | + | + | + | + | + | + | + | + | + | + | **10** |
| Cardiomyopathy | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | **10 1.0** |
| **ENDOCRINE SYSTEM** | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | **10** |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | **10** |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | 1 | | | **1 1.0** |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | **10** |
| Parathyroid Gland | + | + | M | + | + | + | + | + | + | + | **9** |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| Cyst | 1 | | | | | | | | | | **1 1.0** |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | **10** |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | |
| **FISCHER 344-TACONIC RATS MALE** ANIMAL ID | 001 | 002 | 003 | 004 | 005 | 006 | 007 | 008 | 009 | 010 | *** TOTALS** |
| **0 mg/kg** | | | | | | | | | | | |
| **GENERAL BODY SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **GENITAL SYSTEM** | | | | | | | | | | | |
| Epididymis | + | + | + | + | + | + | + | + | + | + | **10** |
| Infiltration Cellular, Mononuclear Cell | | | | 1 | | | | | | | **1 1.0** |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| Prostate | + | + | + | + | + | + | + | + | + | + | **10** |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | **10** |
| Testes | + | + | + | + | + | + | + | + | + | + | **10** |
| **HEMATOPOIETIC SYSTEM** | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | **10** |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | **10** |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | **10** |
| Spleen | + | + | + | + | + | + | + | + | + | + | **10** |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | |
| **FISCHER 344-TACONIC RATS MALE** ANIMAL ID | 001 | 002 | 003 | 004 | 005 | 006 | 007 | 008 | 009 | 010 | |
| **0 mg/kg** | | | | | | | | | | | *** TOTALS** |
| Thymus | + | + | + | + | + | + | + | + | + | + | **10** |
| **INTEGUMENTARY SYSTEM** | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| Skin | + | + | + | + | + | + | + | + | + | + | **10** |
| **MUSCULOSKELETAL SYSTEM** | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | **10** |
| **NERVOUS SYSTEM** | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | **10** |
| **RESPIRATORY SYSTEM** | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | **10** |
| Infiltration Cellular, Histiocyte | | | | | | 1 | | 1 | | | **2 1.0** |
| Inflammation, Chronic Active | 1 | | | | | 1 | | 2 | | | **3 1.3** |
| Metaplasia, Osseous | 1 | | 1 | | | | | | | | **2 1.0** |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | |

## FISCHER 344-TACONIC RATS MALE

### 0 mg/kg

| ANIMAL ID | 001 | 002 | 003 | 004 | 005 | 006 | 007 | 008 | 009 | 010 | * TOTALS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nose | + | + | + | + | + | + | + | + | + | + | 10 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | 10 | |
| Infiltration Cellular, Mononuclear Cell | | | | 1 | | | 1 | 1 | 1 | 1 | 5 | 1.0 |
| **SPECIAL SENSES SYSTEM** | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | 10 | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | 10 | |
| Inflammation, Chronic Active | | | | | | | 3 | | | | 1 | 3.0 |
| **URINARY SYSTEM** | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | 10 | |
| Infiltration Cellular, Mononuclear Cell | | | | | | 1 | | | | | 1 | 1.0 |
| Mineralization | 1 | | | 1 | | | 1 | 1 | 1 | 1 | 6 | 1.0 |
| Nephropathy | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 10 | 1.0 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | 10 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | |
| **FISCHER 344-TACONIC RATS MALE** ANIMAL ID | 0011 | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | |
| **2 mg/kg** | | | | | | | | | | | *** TOTALS** |
| **ALIMENTARY SYSTEM** | | | | | | | | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | **10** |
| **CARDIOVASCULAR SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **ENDOCRINE SYSTEM** | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| **GENERAL BODY SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **GENITAL SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **HEMATOPOIETIC SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **INTEGUMENTARY SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | |
| **FISCHER 344-TACONIC RATS MALE** | | | | | | | | | | | |
| ANIMAL ID | 001 1 | 001 2 | 001 3 | 001 4 | 001 5 | 001 6 | 001 7 | 001 8 | 001 9 | 002 0 | |
| **2 mg/kg** | | | | | | | | | | | *** TOTALS** |

## MUSCULOSKELETAL SYSTEM
NONE

## NERVOUS SYSTEM
NONE

## RESPIRATORY SYSTEM

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | **10** | |
| Interstitium, Inflammation, Chronic Active | 1 | | 1 | 1 | | 1 | 1 | | | | | **5 1.0** |

## SPECIAL SENSES SYSTEM
NONE

## URINARY SYSTEM
NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | |
| **FISCHER 344-TACONIC RATS MALE** ANIMAL ID | 021 | 022 | 023 | 024 | 025 | 026 | 027 | 028 | 029 | 030 | *** TOTALS** |
| **4 mg/kg** | | | | | | | | | | | |
| **ALIMENTARY SYSTEM** | | | | | | | | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | **10** |
| **CARDIOVASCULAR SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **ENDOCRINE SYSTEM** | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| **GENERAL BODY SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **GENITAL SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **HEMATOPOIETIC SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **INTEGUMENTARY SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | |
| **FISCHER 344-TACONIC RATS MALE** | | | | | | | | | | | |
| ANIMAL ID | 0021 | 0022 | 0023 | 0024 | 0025 | 0026 | 0027 | 0028 | 0029 | 0030 | |
| **4 mg/kg** | | | | | | | | | | | *** TOTALS** |

## MUSCULOSKELETAL SYSTEM
NONE

## NERVOUS SYSTEM
NONE

## RESPIRATORY SYSTEM

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | **10** | |
| Interstitium, Inflammation, Chronic Active | | | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | **7** | **1.0** |

## SPECIAL SENSES SYSTEM
NONE

## URINARY SYSTEM
NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | |
| **FISCHER 344-TACONIC RATS MALE** | | | | | | | | | | | |
| ANIMAL ID | 031 | 032 | 033 | 034 | 035 | 036 | 037 | 038 | 039 | 040 | |
| **8 mg/kg** | | | | | | | | | | | *** TOTALS** |
| **ALIMENTARY SYSTEM** | | | | | | | | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | **10** |
| Hepatodiaphragmatic Nodule | | | | X | | | | | | | **1** |
| Inflammation, Chronic Active | | | | 1 | | | | | | | **1 1.0** |
| **CARDIOVASCULAR SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **ENDOCRINE SYSTEM** | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| **GENERAL BODY SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **GENITAL SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **HEMATOPOIETIC SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **INTEGUMENTARY SYSTEM** | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | |
| **FISCHER 344-TACONIC RATS MALE** ANIMAL ID | 0003 | 0003 | 0003 | 0003 | 0003 | 0003 | 0003 | 0003 | 0003 | 0004 | |
| **8 mg/kg** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | *** TOTALS** |

NONE

## MUSCULOSKELETAL SYSTEM
NONE

## NERVOUS SYSTEM
NONE

## RESPIRATORY SYSTEM

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | **10** | |
| Interstitium, Inflammation, Chronic Active | 1 | | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | **8** | **1.0** |

## SPECIAL SENSES SYSTEM
NONE

## URINARY SYSTEM
NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | |
| **FISCHER 344-TACONIC RATS MALE** ANIMAL ID | 0041 | 0042 | 0043 | 0044 | 0045 | 0046 | 0047 | 0048 | 0049 | 0050 | |
| **16 mg/kg** | | | | | | | | | | | *** TOTALS** |
| **ALIMENTARY SYSTEM** | | | | | | | | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | **10** |
| **CARDIOVASCULAR SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **ENDOCRINE SYSTEM** | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| **GENERAL BODY SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **GENITAL SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **HEMATOPOIETIC SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **INTEGUMENTARY SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | |
| **FISCHER 344-TACONIC RATS MALE** | | | | | | | | | | | |
| ANIMAL ID | 0041 | 0042 | 0043 | 0044 | 0045 | 0046 | 0047 | 0048 | 0049 | 0050 | |
| **16 mg/kg** | | | | | | | | | | | *** TOTALS** |

## MUSCULOSKELETAL SYSTEM
NONE

## NERVOUS SYSTEM
NONE

## RESPIRATORY SYSTEM

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | **10** | |
| Interstitium, Inflammation, Chronic Active | | 1 | 2 | 1 | 1 | | | 1 | 1 | | | **6 1.2** |

## SPECIAL SENSES SYSTEM
NONE

## URINARY SYSTEM
NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | |
| **FISCHER 344-TACONIC RATS MALE** ANIMAL ID | 051 | 052 | 053 | 054 | 055 | 056 | 057 | 058 | 059 | 060 | *** TOTALS** |
| **32 mg/kg** | | | | | | | | | | | |
| **ALIMENTARY SYSTEM** | | | | | | | | | | | |
| Esophagus | + | + | + | + | + | + | + | + | + | + | **10** |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | **10** |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | **10** |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | **10** |
| Parasite Metazoan | | | | 1 | | | | 1 | | | **2 1.0** |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | **10** |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | **10** |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | **10** |
| Liver | + | + | + | + | + | + | + | + | + | + | **10** |
| Inflammation, Chronic Active | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | **9 1.0** |
| Pancreas | + | + | + | + | + | + | + | + | + | + | **10** |
| Acinus, Atrophy | | | | 1 | | | | | 1 | | **2 1.0** |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | **10** |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | **10** |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | |
| **FISCHER 344-TACONIC RATS MALE** ANIMAL ID | 051 | 052 | 053 | 054 | 055 | 056 | 057 | 058 | 059 | 060 | *** TOTALS** |
| **32 mg/kg** | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | **10** |
| **CARDIOVASCULAR SYSTEM** | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | **10** |
| Heart | + | + | + | + | + | + | + | + | + | + | **10** |
| Cardiomyopathy | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | **10 1.0** |
| **ENDOCRINE SYSTEM** | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | **10** |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | **10** |
| Infiltration Cellular, Mononuclear Cell | | | | | | 1 | 1 | | | | **2 1.0** |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | **10** |
| Parathyroid Gland | + | + | M | + | + | + | + | + | + | + | **9** |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | 1 | | | **1 1.0** |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | |
| **FISCHER 344-TACONIC RATS MALE** ANIMAL ID | 051 | 052 | 053 | 054 | 055 | 056 | 057 | 058 | 059 | 060 | *** TOTALS** |
| **32 mg/kg** | | | | | | | | | | | |
| **GENERAL BODY SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **GENITAL SYSTEM** | | | | | | | | | | | |
| Epididymis | + | + | + | + | + | + | + | + | + | + | **10** |
| Inflammation, Chronic Active | 1 | 1 | | | | | | | | | **2 1.0** |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| Prostate | + | + | + | + | + | + | + | + | + | + | **10** |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | **10** |
| Testes | + | + | + | + | + | + | + | + | + | + | **10** |
| **HEMATOPOIETIC SYSTEM** | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | **10** |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | **10** |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | **10** |
| Inflammation, Histiocytic | | | | | | | | 1 | | | **1 1.0** |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | |
| **FISCHER 344-TACONIC RATS MALE** ANIMAL ID | 051 | 052 | 053 | 054 | 055 | 056 | 057 | 058 | 059 | 060 | |
| **32 mg/kg** | | | | | | | | | | | *** TOTALS** |
| Spleen | + | + | + | + | + | + | + | + | + | + | **10** |
| Thymus | + | + | + | + | + | + | + | + | + | + | **10** |
| **INTEGUMENTARY SYSTEM** | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| Skin | + | + | + | + | + | + | + | + | + | + | **10** |
| **MUSCULOSKELETAL SYSTEM** | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | **10** |
| **NERVOUS SYSTEM** | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | **10** |
| **RESPIRATORY SYSTEM** | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | **10** |
| Infiltration Cellular, Histiocyte | 1 | | 1 | | 1 | | 1 | | | | **4 1.0** |
| Inflammation, Chronic Active | | | 1 | | 2 | | 1 | 1 | 1 | | **5 1.2** |
| Metaplasia, Osseous | | | | | | | 1 | | | | **1 1.0** |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | |
| **FISCHER 344-TACONIC RATS MALE** ANIMAL ID | 001 | 002 | 003 | 004 | 005 | 006 | 007 | 008 | 009 | 010 | |
| **32 mg/kg** | | | | | | | | | | | *** TOTALS** |
| Nose | + | + | + | + | + | + | + | + | + | + | **10** |
| Trachea | + | + | + | + | + | + | + | + | + | + | **10** |
| Infiltration Cellular, Mononuclear Cell | | | | | 1 | | 1 | | 1 | | **3 1.0** |
| **SPECIAL SENSES SYSTEM** | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | **10** |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| Infiltration Cellular, Mononuclear Cell | | | | 1 | | | | | | | **1 1.0** |
| Inflammation, Chronic Active | 3 | | | | | | | | | | **1 3.0** |
| **URINARY SYSTEM** | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | **10** |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | 1 | | | **1 1.0** |
| Mineralization | | 1 | 1 | 1 | 1 | | | | 1 | 1 | **6 1.0** |
| Nephropathy | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | **10 1.0** |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | **10** |

*** END OF MALE DATA ***

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | |
| **FISCHER 344-TACONIC RATS FEMALE** ANIMAL ID | 061 | 062 | 063 | 064 | 065 | 066 | 067 | 068 | 069 | 070 | *** TOTALS** |
| **0 mg/kg** | | | | | | | | | | | |
| **ALIMENTARY SYSTEM** | | | | | | | | | | | |
| Esophagus | + | + | + | + | + | + | + | + | + | + | **10** |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | **10** |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | **10** |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | **10** |
| Parasite Metazoan | | | | | 1 | | | | | | **1 1.0** |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | **10** |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | **10** |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | **10** |
| Liver | + | + | + | + | + | + | + | + | + | + | **10** |
| Hepatodiaphragmatic Nodule | | | | X | | | | X | | | **2** |
| Inflammation, Chronic Active | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | **10 1.1** |
| Pancreas | + | + | + | + | + | + | + | + | + | + | **10** |
| Acinus, Atrophy | | | | 1 | | | | | 1 | | **2 1.0** |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | **10** |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | |
| **FISCHER 344-TACONIC RATS FEMALE** ANIMAL ID | 061 | 062 | 063 | 064 | 065 | 066 | 067 | 068 | 069 | 070 | |
| **0 mg/kg** | | | | | | | | | | | *** TOTALS** |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | **10** |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | **10** |
| **CARDIOVASCULAR SYSTEM** | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | **10** |
| Heart | + | + | + | + | + | + | + | + | + | + | **10** |
| Cardiomyopathy | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | **10 1.0** |
| **ENDOCRINE SYSTEM** | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | **10** |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | **10** |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | **10** |
| Parathyroid Gland | M | + | + | + | + | M | + | + | + | M | **7** |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | **10** |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | |
| **FISCHER 344-TACONIC RATS FEMALE** ANIMAL ID | 061 | 062 | 063 | 064 | 065 | 066 | 067 | 068 | 069 | 070 | |
| **0 mg/kg** | | | | | | | | | | | *** TOTALS** |
| **GENERAL BODY SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **GENITAL SYSTEM** | | | | | | | | | | | |
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| Ovary | + | + | + | + | + | + | + | + | + | + | **10** |
| Uterus | + | + | + | + | + | + | + | + | + | + | **10** |
| **HEMATOPOIETIC SYSTEM** | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | **10** |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | **10** |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | **10** |
| Spleen | + | + | + | + | + | + | + | + | + | + | **10** |
| Thymus | + | + | + | + | + | + | + | + | + | + | **10** |
| **INTEGUMENTARY SYSTEM** | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | |
| **FISCHER 344-TACONIC RATS FEMALE** ANIMAL ID | 061 | 062 | 063 | 064 | 065 | 066 | 067 | 068 | 069 | 070 | |
| **0 mg/kg** | | | | | | | | | | | *** TOTALS** |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| Skin | + | + | + | + | + | + | + | + | + | + | **10** |
| **MUSCULOSKELETAL SYSTEM** | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | **10** |
| **NERVOUS SYSTEM** | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | **10** |
| **RESPIRATORY SYSTEM** | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | **10** |
| Inflammation, Chronic Active | | | | | | | | 1 | | 1 | **2 1.0** |
| Nose | + | + | + | + | + | + | + | + | + | + | **10** |
| Trachea | + | + | + | + | + | + | + | + | + | + | **10** |
| Infiltration Cellular, Mononuclear Cell | 1 | | | | | | 1 | | | 1 | **3 1.0** |
| **SPECIAL SENSES SYSTEM** | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | |
| **FISCHER 344-TACONIC RATS FEMALE** ANIMAL ID | 006 1 | 006 2 | 006 3 | 006 4 | 006 5 | 006 6 | 006 7 | 006 8 | 006 9 | 007 0 | |
| **0 mg/kg** | | | | | | | | | | | *** TOTALS** |
| Eye | + | + | + | + | + | + | + | + | + | + | **10** |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| Inflammation, Chronic Active | | | 1 | | | | | | | | **1 1.0** |
| **URINARY SYSTEM** | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | **10** |
| Infiltration Cellular, Lipocyte | | | 1 | | | | | | | | **1 1.0** |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | 1 | **1 1.0** |
| Mineralization | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 | **7 1.0** |
| Nephropathy | | | | | 1 | | 1 | 1 | | | **3 1.0** |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | **10** |
| Infiltration Cellular, Mononuclear Cell | | | | | 1 | | | | | | **1 1.0** |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | |
| **FISCHER 344-TACONIC RATS FEMALE** ANIMAL ID | 071 | 072 | 073 | 074 | 075 | 076 | 077 | 078 | 079 | 080 | *** TOTALS** |
| **2 mg/kg** | | | | | | | | | | | |
| **ALIMENTARY SYSTEM** | | | | | | | | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | **10** |
| Hepatodiaphragmatic Nodule | X | | X | | | X | | | | | **3** |
| Inflammation, Chronic Active | 1 | | | | | | | | | | **1 1.0** |
| **CARDIOVASCULAR SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **ENDOCRINE SYSTEM** | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| **GENERAL BODY SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **GENITAL SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **HEMATOPOIETIC SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **INTEGUMENTARY SYSTEM** | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | |
| **FISCHER 344-TACONIC RATS FEMALE** ANIMAL ID | 071 | 072 | 073 | 074 | 075 | 076 | 077 | 078 | 079 | 080 | *** TOTALS** |
| **2 mg/kg** | | | | | | | | | | | |

NONE

## MUSCULOSKELETAL SYSTEM
NONE

## NERVOUS SYSTEM
NONE

## RESPIRATORY SYSTEM

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | **10** | |
| Interstitium, Inflammation, Chronic Active | | | 1 | | 1 | | | | | | **2** | **1.0** |

## SPECIAL SENSES SYSTEM
NONE

## URINARY SYSTEM
NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | |
| **FISCHER 344-TACONIC RATS FEMALE** ANIMAL ID | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | |
| **4 mg/kg** | | | | | | | | | | | *** TOTALS** |
| **ALIMENTARY SYSTEM** | | | | | | | | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | **10** |
| Hepatodiaphragmatic Nodule | | | | | X | | X | | | | **2** |
| Inflammation, Chronic Active | | | | | 1 | | 1 | | | | **2 1.0** |
| **CARDIOVASCULAR SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **ENDOCRINE SYSTEM** | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| **GENERAL BODY SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **GENITAL SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **HEMATOPOIETIC SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **INTEGUMENTARY SYSTEM** | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | |
| **FISCHER 344-TACONIC RATS FEMALE** | | | | | | | | | | | |
| ANIMAL ID | 081 | 082 | 083 | 084 | 085 | 086 | 087 | 088 | 089 | 090 | |
| **4 mg/kg** | | | | | | | | | | | *** TOTALS** |

NONE

## MUSCULOSKELETAL SYSTEM
NONE

## NERVOUS SYSTEM
NONE

## RESPIRATORY SYSTEM

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | **10** | |
| Interstitium, Inflammation, Chronic Active | | | 1 | 2 | 2 | 1 | | 3 | | 1 | **6** | **1.7** |

## SPECIAL SENSES SYSTEM
NONE

## URINARY SYSTEM
NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | |
| **FISCHER 344-TACONIC RATS FEMALE** ANIMAL ID | 091 | 092 | 093 | 094 | 095 | 096 | 097 | 098 | 099 | 100 | |
| **8 mg/kg** | | | | | | | | | | | *** TOTALS** |
| **ALIMENTARY SYSTEM** | | | | | | | | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | **10** |
| Hematopoietic Cell Proliferation | | | | | | | | 1 | | | **1 1.0** |
| Hepatodiaphragmatic Nodule | X | | X | | | | | X | | | **3** |
| Inflammation, Chronic Active | 1 | | 1 | | | | | | | | **2 1.0** |
| **CARDIOVASCULAR SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **ENDOCRINE SYSTEM** | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| **GENERAL BODY SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **GENITAL SYSTEM** | | | | | | | | | | | |
| Ovary | | | + | | | | | | | | **1** |
| Left, Cyst | | | 2 | | | | | | | | **1 2.0** |
| Left, Inflammation | | | 2 | | | | | | | | **1 2.0** |
| **HEMATOPOIETIC SYSTEM** | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | |
| **FISCHER 344-TACONIC RATS FEMALE** ANIMAL ID | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098 | 0099 | 0100 | *** TOTALS** |
| **8 mg/kg** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **INTEGUMENTARY SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **MUSCULOSKELETAL SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **NERVOUS SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **RESPIRATORY SYSTEM** | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | **10** |
| Interstitium, Inflammation, Chronic Active | | 1 | | | 1 | | | | 2 | | **3 1.3** |
| **SPECIAL SENSES SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **URINARY SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | |
| **FISCHER 344-TACONIC RATS FEMALE** ANIMAL ID | 0101 | 0102 | 0103 | 0104 | 0105 | 0106 | 0107 | 0108 | 0109 | 0110 | |
| **16 mg/kg** | | | | | | | | | | | *** TOTALS** |
| **ALIMENTARY SYSTEM** | | | | | | | | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | **10** |
| Hepatodiaphragmatic Nodule | | | | | | | | X | | X | **2** |
| Inflammation, Chronic Active | | | | | | | | 1 | | 1 | **2 1.0** |
| **CARDIOVASCULAR SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **ENDOCRINE SYSTEM** | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| **GENERAL BODY SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **GENITAL SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **HEMATOPOIETIC SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **INTEGUMENTARY SYSTEM** | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 003 | 003 | 003 | 003 | 003 | 003 | 003 | 003 | 003 | 003 | |
| **FISCHER 344-TACONIC RATS FEMALE** ANIMAL ID | 001 | 002 | 003 | 004 | 005 | 006 | 007 | 008 | 009 | 010 | *** TOTALS** |
| **16 mg/kg** | | | | | | | | | | | |

NONE

## MUSCULOSKELETAL SYSTEM
NONE

## NERVOUS SYSTEM
NONE

## RESPIRATORY SYSTEM

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | **10** | |
| Interstitium, Inflammation, Chronic Active | 1 | 1 | | | 1 | 2 | | | | 1 | | **5 1.2** |

## SPECIAL SENSES SYSTEM
NONE

## URINARY SYSTEM
NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | 0093 | |
| **FISCHER 344-TACONIC RATS FEMALE** ANIMAL ID | 0011 | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | |
| **32 mg/kg** | | | | | | | | | | | *** TOTALS** |
| **ALIMENTARY SYSTEM** | | | | | | | | | | | |
| Esophagus | + | + | + | + | + | + | + | + | + | + | **10** |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | **10** |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | **10** |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | **10** |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | **10** |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | **10** |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | **10** |
| Liver | + | + | + | + | + | + | + | + | + | + | **10** |
| Hepatodiaphragmatic Nodule | | | | | | X | | | | | **1** |
| Inflammation, Chronic Active | 2 | 1 | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 2 | **10 1.5** |
| Pancreas | + | + | + | + | + | + | + | + | + | + | **10** |
| Acinus, Atrophy | | | | | | | | | 1 | | **1 1.0** |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | **10** |
| Infiltration Cellular, Mononuclear Cell | | | | | | 1 | | | | | **1 1.0** |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | |
| **FISCHER 344-TACONIC RATS FEMALE** ANIMAL ID | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | |
| **32 mg/kg** | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | *** TOTALS** |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | **10** |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | **10** |
| **CARDIOVASCULAR SYSTEM** | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | **10** |
| Heart | + | + | + | + | + | + | + | + | + | + | **10** |
| Cardiomyopathy | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | **9 1.0** |
| **ENDOCRINE SYSTEM** | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | **10** |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | **10** |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | **10** |
| Parathyroid Gland | M | + | + | + | + | M | + | + | + | + | **8** |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| Infiltration Cellular, Mononuclear Cell | | 1 | | | | | | | | | **1 1.0** |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | |
| **FISCHER 344-TACONIC RATS FEMALE** ANIMAL ID | 011 | 012 | 013 | 014 | 015 | 016 | 017 | 018 | 019 | 020 | |
| **32 mg/kg** | | | | | | | | | | | *** TOTALS** |
| **GENERAL BODY SYSTEM** | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| **GENITAL SYSTEM** | | | | | | | | | | | |
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| Ovary | + | + | + | + | + | + | + | + | + | + | **10** |
| Uterus | + | + | + | + | + | + | + | + | + | + | **10** |
| **HEMATOPOIETIC SYSTEM** | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | **10** |
| Infiltration Cellular, Histiocyte | | | | | | | | | 2 | | **1 2.0** |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | **10** |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | **10** |
| Inflammation, Histiocytic | | | | | 1 | | 3 | 2 | 2 | 2 | **5 2.0** |
| Spleen | + | + | + | + | + | + | + | + | + | + | **10** |
| Thymus | + | + | + | + | + | + | + | + | + | + | **10** |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | 093 | |
| **FISCHER 344-TACONIC RATS FEMALE** ANIMAL ID | 011 | 012 | 013 | 014 | 015 | 016 | 017 | 018 | 019 | 020 | |
| **32 mg/kg** | | | | | | | | | | | *** TOTALS** |
| **INTEGUMENTARY SYSTEM** | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| Skin | + | + | + | + | + | + | + | + | + | + | **10** |
| **MUSCULOSKELETAL SYSTEM** | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | **10** |
| **NERVOUS SYSTEM** | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | **10** |
| **RESPIRATORY SYSTEM** | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | **10** |
| Infiltration Cellular, Histiocyte | | | | 1 | | | | | | | **1 1.0** |
| Inflammation, Chronic Active | | | 1 | 1 | 1 | | 1 | 1 | | 1 | **6 1.0** |
| Nose | + | + | + | + | + | + | + | + | + | + | **10** |
| Inflammation, Chronic Active | | | | | | 3 | | | | 1 | **2 2.0** |
| Trachea | + | + | + | + | + | + | + | + | + | + | **10** |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | 009 | |
| **FISCHER 344-TACONIC RATS FEMALE** ANIMAL ID | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 002 | |
| **32 mg/kg** | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | *** TOTALS** |
| Infiltration Cellular, Mononuclear Cell | | | | 1 | | | | | | | **1 1.0** |
| **SPECIAL SENSES SYSTEM** | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | **10** |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | **10** |
| Infiltration Cellular, Mononuclear Cell | | | 1 | 1 | | | | | | | **2 1.0** |
| Inflammation, Chronic Active | | | | | 1 | | 1 | 1 | | | **3 1.0** |
| **URINARY SYSTEM** | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | **10** |
| Mineralization | | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | **7 1.0** |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | **10** |
| Infiltration Cellular, Mononuclear Cell | 1 | | | | | | | | | | **1 1.0** |

*** END OF REPORT ***

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked