

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

F1_R2

C Number: C99027
Lock Date: 05/03/2005
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
TDMSE Version: 1.7.0

1-4 .. Lesion qualified as:

Date Report Requested: 03/16/2007
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Lab: SR|

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

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DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		7	7	7	7	7	7	6	5	7	7	7	7	7	7	7	7	7	7	7	5	7	4	6	7		
		2	2	2	2	2	2	6	6	3	1	1	3	1	2	2	3	3	3	2	2	1	2	8	8		3
		9	9	9	9	9	9	0	5	2	1	5	0	5	9	9	0	0	0	9	9	6	9	6	2		0
FISCHER 344 RATS MALE ANIMAL ID 0 PPM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	males (cont...)
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	

Tongue

+

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	2	2	2	1	1	3	1	3	2	2	1	3	1	3	2	1	2	2	2	2	1	2		3	1	
Thrombosis							2	1																		

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Adrenal Cortical Nodule															1			2				2				
Angiectasis																								2		
Degeneration, Fatty					4			3			2	2	2			2			1							
Hemorrhage																										
Hyperplasia, Focal		2	3	3			1							2		2				1						
Necrosis																										
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																								2		
Hyperplasia		2									2					2	3									
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia							1	3																1		
Parathyroid Gland	M	+	+	+	+	+	+	+	+	M	+	+	M	+	+	+	+	+	+	M	+	+	+	+	+	+

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DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		7	7	7	7	7	7	6	5	7	7	7	7	7	7	7	7	7	7	7	5	7	4	6	7	
		2	2	2	2	2	2	6	6	3	1	1	3	1	2	2	3	3	3	2	2	1	2	8	8	3
		9	9	9	9	9	9	0	5	2	1	5	0	5	9	9	0	0	0	9	9	6	9	6	2	0
FISCHER 344 RATS MALE ANIMAL ID 0 PPM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
males (cont...)																										

Pituitary Gland
Pars Distalis, Cyst
Pars Distalis, Hyperplasia, Focal

+
2 1 3 2 3 3 2

Thyroid Gland
Ultimobranchial Cyst
C-cell, Hyperplasia

+
1 1 1 2

GENERAL BODY SYSTEM

Tissue NOS
Hemorrhage

+
2

GENITAL SYSTEM

Epididymis
Granuloma Sperm

+ + + + + + + + + + + + + + + + + + M + + + +
2

Penis

+

Preputial Gland
Cyst
Hyperplasia
Inflammation, Chronic

+
3 3 2
2 3 3 2 2 3 2 2

Prostate

+ +

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| | | |
|---|--|---|
| DAY ON TEST | | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 4 | 6 | 7 | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 6 | 3 | 1 | 1 | 3 | 1 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 1 | 2 | 8 | 8 | 3 |
| | | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 5 | 2 | 1 | 5 | 0 | 5 | 9 | 9 | 0 | 0 | 0 | 9 | 9 | 6 | 9 | 6 | 2 | 0 |
| | | |
| FISCHER 344 RATS MALE
ANIMAL ID
0 PPM | | 0 | |
| | | 0 | |
| | | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| | | |
| males (cont...) | | |
| | | |
| | | |

| |
|-----------------|
| Skeletal Muscle | |
| Hemorrhage |
| Necrosis |

NERVOUS SYSTEM

| |
|------------------|
| Brain | + |
| Compression | | | | | 2 | | | 3 | | | 3 | | | | | | | | | | | | | | | 2 |
| Hemorrhage | 1 | | | | | | | | | | | | | 2 | 1 | | | | | | | | | 1 | | |
| Necrosis | | | | | 2 | |
| |
| Peripheral Nerve | |
| |
| Spinal Cord |
| |

RESPIRATORY SYSTEM

| |
|-----------------------------------|
| Lung | + |
| Hemorrhage | 1 | |
| Infiltration Cellular, Histiocyte | 1 | 1 | 1 | 2 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Metaplasia, Osseous | | | 1 | | | | 1 | | | | | | | | | | | 1 | 1 | | | | | | | |
| Alveolar Epithelium, Hyperplasia | 2 | | | | 1 | | | | | 2 | 2 | 2 | | | 2 | | | | 1 | | | | | | | |
| |
| Nose | + |
| Foreign Body | | 1 | | | | 2 | | | | | 2 | | 1 | | | | | 1 | | 2 | 1 | | | | | 2 |
| Inflammation, Chronic | | | | | 1 | 2 | | | | | | 2 | 1 | | | | | 1 | | 1 | | | | | | |
| Goblet Cell, Hyperplasia | 1 |
| |

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| | | 0 | 0 |
|--------------------------------------|--|-----------------|
| DAY ON TEST | | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 4 | 6 | 7 | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 6 | 3 | 1 | 1 | 3 | 1 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 1 | 2 | 8 | 8 | 3 |
| | | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 5 | 2 | 1 | 5 | 0 | 5 | 9 | 9 | 0 | 0 | 0 | 9 | 9 | 6 | 9 | 6 | 2 | 0 |
| | | |
| FISCHER 344 RATS MALE | | 0 | 0 | |
| ANIMAL ID | | 0 | 0 | |
| 0 PPM | | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| | | males (cont...) | |
| Trachea | | + | + | |
| | | |
| SPECIAL SENSES SYSTEM | | |
| | | |
| Ear | | |
| Hemorrhage | | |
| External Ear, Inflammation, Acute | | |
| | | |
| Eye | | + | + | |
| Cataract | | |
| Retina, Degeneration | | |
| | | |
| Harderian Gland | | + | + | |
| | | |
| URINARY SYSTEM | | |
| | | |
| Kidney | | + | + | |
| Cyst | | |
| Inflammation, Suppurative | | |
| Nephropathy | | 1 | 1 | 1 | 2 | 3 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 3 | 1 | 1 | 2 | 2 |
| Renal Tubule, Hyperplasia | | |
| Transitional Epithelium, Hyperplasia | | |
| | | |
| Urinary Bladder | | + | + | |
| Edema | | |
| Hemorrhage | | |
| Inflammation, Chronic | | |

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| DAY ON TEST | | 0 |
|--------------------------------|--|---|
| | | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 |
| | | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 9 | 3 | 2 | 2 | 3 |
| | | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 3 | 0 | 1 | 1 | 8 | 9 | 9 | 9 | 0 |
| | | |
| FISCHER 344 RATS MALE
0 PPM | | 0 |
| | | 0 |
| | | 0 |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| * TOTALS | | |

Tongue 1

CARDIOVASCULAR SYSTEM

| | | |
|----------------|----|-----|
| Heart | + | 50 | |
| Cardiomyopathy | 2 | 3 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | | 2 | 1 | 3 | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 1 | 1 | | 48 | 1.9 |
| Thrombosis | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | 3 | 1.7 |

ENDOCRINE SYSTEM

| | | |
|-----------------------------------|----|-----|
| Adrenal Cortex | + | 50 | |
| Accessory Adrenal Cortical Nodule | | | 2 | | | 2 | | 5 | 1.8 |
| Angiectasis | 1 | 2.0 |
| Degeneration, Fatty | 3 | | | | 2 | | | | | 2 | | | | | | 2 | 2 | | | | | | | | | | 12 | 2.3 |
| Hemorrhage | 3 | | 1 | 3.0 |
| Hyperplasia, Focal | | 2 | 2 | | | | | 1 | | 4 | | | | 2 | 1 | 1 | 1 | 3 | | | | 2 | | 3 | | | 18 | 2.0 |
| Necrosis | 3 | | | | | | | 1 | 3.0 |
| Adrenal Medulla | + | 50 | |
| Angiectasis | 1 | 2.0 |
| Hyperplasia | | | | | | 2 | | | | 3 | | 2 | | | | 1 | | 2 | 1 | | | | | | | | 10 | 2.0 |
| Islets, Pancreatic | + | 50 | |
| Hyperplasia | | | | | | | | | | | | | | | 4 | | | 1 | | | 1 | | | | | | 6 | 1.8 |
| Parathyroid Gland | + | M | 45 | |

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|---|--|----------|
| | | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | | |
| | | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 9 | 3 | 2 | 2 | 3 | | |
| | | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 3 | 0 | 1 | 1 | 8 | 9 | 9 | 9 | 0 | | |
| | | |
| FISCHER 344 RATS MALE
0 PPM
ANIMAL ID | | 0 | | |
| | | 0 | | |
| | | 0 | | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS |

| | |
|-----------------------------------|-----------------|
| Pituitary Gland | + | 50 |
| Pars Distalis, Cyst | 3 |
| Pars Distalis, Hyperplasia, Focal | 1 | | | | | | | | | 2 | | 2 | | 1 | 2 | | 3 | | | 3 | | | | | | 3 |
| | 2 3.0
15 2.2 |
| Thyroid Gland | + | 50 |
| Ultimobranhial Cyst | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 |
| C-cell, Hyperplasia | | | | | 1 | | 1 | 1 | | 2 | | | | | | | 2 | | 1 | | | | | | | 10 |
| | 1 1.0
10 1.3 |

GENERAL BODY SYSTEM

| | | |
|------------|---|-------|
| Tissue NOS | + | 2 |
| Hemorrhage | | 1 2.0 |

GENITAL SYSTEM

| | |
|-----------------------|--------|
| Epididymis | + | 49 |
| Granuloma Sperm | 1 2.0 |
| Penis | 1 |
| Preputial Gland | + | 50 |
| Cyst | | | | | | | | | | | | | | | | 3 | | 3 | | | | | | | | 4 3.0 |
| Hyperplasia | 3 | | | | 3 2.7 |
| Inflammation, Chronic | | | | | 2 | 3 | 2 | 2 | 2 | | | | | 2 | 2 | 2 | 2 | | 2 | | 2 | 2 | | 2 | 2 | 26 2.3 |
| Prostate | + | 50 |

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|--------------------------------|--|----------|-----|---|---|---|---|----|-----|-----|--|--|--|--|--|--|--|
| | | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | | | | | | |
| | | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 9 | 3 | 2 | 2 | 3 | 3 | 1 | | | | | | | | | | |
| | | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 1 | 8 | 9 | 9 | 9 | 0 | 5 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| FISCHER 344 RATS MALE
0 PPM | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | | | | | | | | | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | | | | | | | | | | |
| | | * TOTALS | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | 2 | | | | | 2 | | | | | 2 | | | | | 8 | 2.5 | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | 2 | | | | | | | | | | | | | | | 4 | 1.8 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Seminal Vesicle | | + | + | + | + | + | + | 50 | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | 1 | 2.0 | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Testes | | + | + | + | + | + | + | 50 | | | | | | | | | |
| Mineralization | | | | | | 4 | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | | | | | | | |
| Thrombosis, Focal | | | | | | | | | 1 | 3.0 | | | | | | | |
| Germinal Epithelium, Atrophy | | 1 | 4 | | | | | | | | | | | | | 4 | | | | | 4 | | | | | 4 | 11 | 3.5 | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|----|----|--|---|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|-----|-----|-----|-----|
| Bone Marrow | + | 3 | + | + | + | + | 50 | | | | | | | | | | | | | | | | | | | | | | | | |
| Myelofibrosis | 3 | 1 | | | 3 | 1.7 | | | | | | | | | | | | | | | | | | | |
| Lymph Node | + | | | | | + | | | | | + | | | | | | | | | + | + | | | | | + | 15 | | 2 | 2.5 | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Hemorrhage | 3 | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | | | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | | |
| Mediastinal, Pigmentation | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Pancreatic, Ectasia | 2 | | | | | | | | | | | | | | | | | | | | | 2 | 2.5 | | | |
| Pancreatic, Hemorrhage | 3 | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 | | |
| Pancreatic, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Lymph Node, Mandibular | M | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | 50 | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |

* .. 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

Page 14

Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

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

Page 15

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| DAY ON TEST | | 0 |
|---|--|---|
| | | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 |
| | | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 9 | 3 | 2 | 2 | 3 |
| | | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 0 | 0 | 0 | 3 | 0 | 1 | 1 | 8 | 9 | 9 | 9 | 0 |
| | | |
| FISCHER 344 RATS MALE
0 PPM
ANIMAL ID | | 0 |
| | | 0 |
| | | 0 |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| * TOTALS | | |

| | | |
|-----------------|---|-----|
| Skeletal Muscle | 2 | |
| Hemorrhage | 1 | 4.0 |
| Necrosis | 1 | 3.0 |

NERVOUS SYSTEM

| | | | |
|------------------|----|---|-----|
| Brain | + | 50 | | |
| Compression | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | 5 | 2.4 |
| Hemorrhage | | | 1 | 1 | | 6 | 1.2 |
| Necrosis | | 1 | 2.0 |
| | | | |
| Peripheral Nerve | | 1 | |
| | | | |
| Spinal Cord | | 1 | |

RESPIRATORY SYSTEM

| | | | |
|-----------------------------------|----|----|-----|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 2 | + | + | + | + | + | + | + | + | 50 | | |
| Hemorrhage | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 2 | 1.5 |
| Infiltration Cellular, Histiocyte | | | 1 | | 1 | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 43 | 1.0 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | 5 | 1.2 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | 2 | | 1 | | 1 | 2 | | | | | | | | | | 1 | 1 | | | 13 | 1.5 |
| | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 1 | + | + | + | + | + | + | + | + | 50 | | |
| Foreign Body | 1 | | | | | | | | | | | 1 | 1 | | | 1 | | | | | | | | | | | 12 | 1.5 |
| Inflammation, Chronic | 1 | | | | | | 1 | | | | 1 | 1 | | | | | | | | | | | | 2 | | | 11 | 1.3 |
| Goblet Cell, Hyperplasia | | 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

Page 16

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | | |
|------------------------------------|--|----------|
| DAY ON TEST | | 0 |
| | | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| | | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 9 | 3 | 2 | 2 | 3 | 1 | |
| | | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 1 | 8 | 9 | 9 | 9 | 0 | 5 |
| FISCHER 344 RATS MALE
ANIMAL ID | | 0 |
| | | 0 |
| | | 0 |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| 0 PPM | | * TOTALS |
| | | |
| Trachea | | + | 50 |

SPECIAL SENSES SYSTEM

| | |
|-----------------------------------|-------|
| Ear | 1 |
| Hemorrhage | 1 2.0 |
| External Ear, Inflammation, Acute | | 1 2.0 |
| Eye | + | 50 |
| Cataract | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | 1 2.0 |
| Retina, Degeneration | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 1.0 |
| Harderian Gland | + | 50 |

URINARY SYSTEM

| | |
|--------------------------------------|--------|
| Kidney | + | 50 |
| Cyst | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | 1 3.0 |
| Inflammation, Suppurative | 1 1.0 |
| Nephropathy | 3 | 2 | 1 | 1 | 1 | 3 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 50 1.8 |
| Renal Tubule, Hyperplasia | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | | | | 3 1.0 |
| Transitional Epithelium, Hyperplasia | | 1 1.0 |
| Urinary Bladder | + | 50 |
| Edema | 1 2.0 |
| Hemorrhage | 1 2.0 |
| Inflammation, Chronic | 1 2.0 |

* .. 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

Page 17

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
 Time Report Reqsted: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

| DAY ON TEST | 0 |
|--|---|
| | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 |
| FISCHER 344 RATS MALE
2000 PPM
ANIMAL ID | 9 | 4 | 3 | 3 | 3 | 3 | 2 | 0 | 2 | 3 | 3 | 3 | 2 | 7 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 6 |
| | 0 | 2 | 1 | 1 | 1 | 1 | 9 | 7 | 9 | 2 | 2 | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 2 | 2 | 2 | 4 |
| males
(cont...) | 0 |
| | 0 |
| | 0 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |

ALIMENTARY SYSTEM

| |
|------------------------------------|
| Esophagus | + |
| Intestine Large, Cecum | + | A | + |
| Intestine Large, Colon | + | A | + | A |
| Intestine Large, Rectum Hemorrhage | + | A | + |
| Intestine Small, Duodenum | + | A | + |
| Intestine Small, Ileum | + | A | + | A |
| Intestine Small, Jejunum | + | A | + |
| Liver | + |
| Basophilic Focus | | | X | X | X | X | X | X | X | X | | | X | | | X | X | X | | X | X | X | | X |
| Clear Cell Focus | | | X | X | X | X | X | | X | | X | | X | | | X | X | X | X | X | X | X | | X |
| Degeneration, Cystic |
| Eosinophilic Focus |
| Hemorrhage |
| Hepatodiaphragmatic Nodule | 2 | 2 | X | | | | | | | | X | | | | | | | | | | | | | 2 |
| Necrosis, Focal | 2 | |
| Vacuolization Cytoplasmic | 2 |
| Bile Duct, Hyperplasia | 3 | 3 | | 2 | | | 2 | | | | | 3 | | | | | | | | | | | | 2 |
| Centrilobular, Necrosis |

* .. 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

Page 18

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | | 0 | 0 |
|---------------------------------------|--|--------------------|
| DAY ON TEST | | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 |
| | | 9 | 4 | 3 | 3 | 3 | 3 | 2 | 0 | 2 | 3 | 3 | 3 | 2 | 7 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 6 |
| | | 0 | 2 | 1 | 1 | 1 | 1 | 9 | 7 | 9 | 2 | 2 | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 2 | 2 | 2 | 4 | |
| | | |
| FISCHER 344 RATS MALE | | 0 | 0 | |
| ANIMAL ID | | 0 | 0 | |
| 2000 PPM | | 0 | 0 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | |
| | | males
(cont...) | |
| Hepatocyte, Vacuolization Cytoplasmic | | 3 |
| Portal Vein, Thrombosis, Focal | | 3 |
| | | |
| Mesentery | | |
| Fat, Necrosis | | |
| | | |
| Pancreas | | |
| Atrophy | | |
| | | |
| Salivary Glands | | |
| Atrophy | | |
| Necrosis | | |
| | | |
| Stomach, Forestomach | | |
| Edema | | |
| Inflammation, Acute | | |
| Inflammation, Chronic Active | | |
| Vacuolization Cytoplasmic | | |
| Epithelium, Hyperplasia | | |
| | | |
| Stomach, Glandular | | |
| Erosion | | |
| Ulcer | | |
| | | |
| Tongue | | |
| Epithelium, Hyperplasia | | |

CARDIOVASCULAR 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

Page 19

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | | | | | | | |
|---|--|--|--|--|---|--|---|
| DAY ON TEST | | 0 | | | | | | | |
| | | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | | | | | | | |
| | | 9 | 4 | 3 | 3 | 3 | 3 | 2 | 0 | 2 | 3 | 3 | 3 | 2 | 7 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | | | | | | |
| | | 0 | 2 | 1 | 1 | 1 | 1 | 9 | 7 | 9 | 2 | 2 | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 2 | 2 | 2 | 4 | | | | | | |
| FISCHER 344 RATS MALE
ANIMAL ID
2000 PPM | | 0 | | | | | | | |
| | | 0 | | | | | | | |
| | | 0 | | | | | | | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | | | | | |
| Pars Distalis, Hyperplasia, Focal
Rathke's Cleft, Hemorrhage | | 2 | | | | 2 | | | | 3 | | 3 | | 1 | | 3 | | 2 | | 3 | | | | | | | | | | | | |
| Thyroid Gland | | + | | | | | | | | |
| C-cell, Hyperplasia | | | | | | | | | | 1 | 2 | | | | 2 | | | | | | | | | | | | | | | | | |
| Follicular Cell, Hyperplasia | | | | | | | |
| GENERAL BODY SYSTEM | | | | | | | |
| Tissue NOS | | + | | | | | | |
| GENITAL SYSTEM | | | | | | | |
| Epididymis | | + | | | | | | | |
| Preputial Gland | | + | | | | | | | |
| Cyst | | 3 | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | |
| Hyperplasia | | | | | | | |
| Inflammation, Chronic | | 2 | 3 | | | 1 | | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | | | | | | | |
| Prostate | | + | | | | | | | |
| Cyst | | 2 | | | | | | |
| Inflammation, Chronic | | 3 | 3 | | 2 | | 3 | | | | 2 | | 3 |
| Epithelium, Hyperplasia | | 2 | 1 | | | | | | 1 | | | | 2 | | | | | | 2 | | | | 1 | | | | | | | | | |
| Seminal Vesicle | | + | | | | | | | |

* .. 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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2) Mild 4) Marked

Page 21

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| DAY ON TEST | | 0 | males
(cont...) | |
|--|--------------------|---|
| | | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | | |
| | | 9 | 4 | 3 | 3 | 3 | 3 | 2 | 0 | 2 | 3 | 3 | 3 | 2 | 7 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | 6 |
| | | 0 | 2 | 1 | 1 | 1 | 1 | 9 | 7 | 9 | 2 | 2 | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | | 4 |
| FISCHER 344 RATS MALE
2000 PPM
ANIMAL ID | | 0 | males
(cont...) | |
| | | 0 | | |
| | | 0 | | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | |
| Testes | + | | | |
| Germinal Epithelium, Atrophy | 3 | | | | | | | 3 | | 4 | | | | | 4 | | | | 2 | | | | | | | | | |
| Interstitial Cell, Hyperplasia | | | | | | | | 2 | | | | | | | | | | | 1 | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| |
|----------------------------------|
| Bone Marrow | + |
| Depletion Cellular |
| Myelofibrosis | 3 | |
| Lymph Node | + | | | | | | | + | | | | + | | + | | | | | | | + | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Mediastinal, Ectasia | 2 | |
| Mediastinal, Hemorrhage | | | | | | | | 3 | | | | | | | | | | | | | | | | | | |
| Pancreatic, Ectasia |
| Renal, Ectasia | | | | | | | | | | | | | | 3 | | | | | | | | | | | | |
| Renal, Hyperplasia, Lymphoid |
| Lymph Node, Mandibular | M |
| Lymph Node, Mesenteric | + |
| Hemorrhage |
| Spleen | + |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Pigmentation | | | 3 | 2 | 3 | 2 | | 3 | | | 2 | | 3 | | | | 2 | 2 | 3 | 2 | 2 | 3 | | 2 | 2 | |
| Lymphoid Follicle, Hyperplasia | | | 2 | | | 2 | | | | | 2 | | 2 | 2 | | | | | | | | | | | | |

* .. 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

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1) Minimal 3) Moderate

2) Mild 4) Marked

Page 22

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | |
|--|---|
| DAY ON TEST | 0 |
| | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 |
| | 9 | 4 | 3 | 3 | 3 | 3 | 2 | 0 | 2 | 3 | 3 | 3 | 2 | 7 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 6 |
| | 0 | 2 | 1 | 1 | 1 | 1 | 9 | 7 | 9 | 2 | 2 | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 2 | 2 | 2 | 4 |
| FISCHER 344 RATS MALE
ANIMAL ID
2000 PPM | 0 |
| | 0 |
| | 0 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| males (cont...) |

| |
|------------|
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + |
| Atrophy | 3 | 3 | 2 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | | 3 | 2 | 2 | 3 | | 3 | 3 | 3 | | 3 | |
| Hemorrhage | | | | | | | | | | | 2 | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| |
|------------------------|
| Mammary Gland | + |
| Cyst | 3 |
| Hyperplasia | | 1 | | | | | 1 | | | | | | | 2 | | | 1 | | | | 1 | 2 | | | |
| Skin | + |
| Hyperkeratosis | | | | | | | | | | | | | | | | | 4 | 4 | | | | | | | |
| Epidermis, Hyperplasia | | | | | | | | | | | | | | | | | 4 | 3 | | | | | | | |

MUSCULOSKELETAL SYSTEM

| |
|-----------------|
| Bone | + |
| Skeletal Muscle | | + |

NERVOUS SYSTEM

| |
|-------------|
| Brain | + |
| Compression | | | | | | | | 4 | | | | | | | | | | | | 1 | | | | | 3 |
| Hemorrhage | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | 3 |
| Necrosis | | | | | | | | | | | | | | | 3 | | | | | | | | | | |
| Thrombosis | |

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | |
|--|---|
| DAY ON TEST | 0 |
| | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | |
| | 9 | 4 | 3 | 3 | 3 | 3 | 2 | 0 | 2 | 3 | 3 | 3 | 2 | 7 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 6 | |
| | 0 | 2 | 1 | 1 | 1 | 1 | 9 | 7 | 9 | 2 | 2 | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 2 | 2 | 4 | |
| | |
| FISCHER 344 RATS MALE
ANIMAL ID
2000 PPM | 0 |
| | 0 |
| | 0 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| males (cont...) |

Peripheral Nerve

+

Spinal Cord

+

RESPIRATORY SYSTEM

| | |
|--|---|
| Lung | + |
| Hemorrhage | 3 |
| Infiltration Cellular, Eosinophil |
| Infiltration Cellular, Histiocyte | 1 |
| Inflammation, Chronic |
| Metaplasia, Osseous | 1 |
| Metaplasia, Squamous, Focal |
| Alveolar Epithelium, Hyperplasia | 1 |
| | |
| Nose | + |
| Foreign Body | 2 | | 2 |
| Inflammation, Chronic | 1 | | 2 |
| Goblet Cell, Hyperplasia |
| Respiratory Epithelium, Metaplasia, Squamous | |
| | |
| Trachea | + |

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

Page 24

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| FISCHER 344 RATS MALE
2000 PPM | | DAY ON TEST | |
|-----------------------------------|--|-----------------|--|
| | | 0 | 0 | |
| | | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | |
| | | 9 | 4 | 3 | 3 | 3 | 3 | 2 | 0 | 2 | 3 | 3 | 3 | 2 | 7 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | |
| | | 0 | 2 | 1 | 1 | 1 | 1 | 9 | 7 | 9 | 2 | 2 | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 2 | 2 | 2 | 4 | |
| | | | |
| | | 0 | 0 | |
| | | 0 | 0 | |
| | | 0 | 0 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | |
| | | males (cont...) | |
| Eye | | + | + | |
| Cataract | | | 2 | | | 4 | 2 | |
| Retina, Degeneration | | | | | | 4 | |
| | | | |
| Harderian Gland | | + | + | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| | | | |
| Zymbal's Gland | | | | | | | | | | | | | | | + | | | | | | | | | | | | |

URINARY SYSTEM

| |
|--------------------------------------|
| Kidney | + | A | + |
| Nephropathy | 3 | | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 |
| Pelvis, Dilatation |
| Renal Tubule, Necrosis |
| Transitional Epithelium, Hyperplasia | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| Urethra |
| Angiectasis |
| Urinary Bladder | + |
| Hemorrhage |

* .. 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

Page 25

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

| DAY ON TEST | 0 | 0 |
|--|----------|
| | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 1 | 6 | 6 | 7 | 7 | 7 | 0 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| FISCHER 344 RATS MALE
2000 PPM
ANIMAL ID | 1 | 3 | 2 | 2 | 2 | 2 | 6 | 0 | 2 | 2 | 9 | 5 | 2 | 3 | 3 | 3 | 5 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 8 | 3 | 9 | 0 | 9 | 9 | 9 | 0 | 9 | 9 | 5 | 7 | 8 | 2 | 2 | 2 | 0 | 0 | 0 | 4 | 2 | 2 | 2 | 2 | 2 | 2 |
| FISCHER 344 RATS MALE
2000 PPM
ANIMAL ID | 0 | 0 |
| | 0 | 0 |
| | 0 | 0 | 1 |
| | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
| 2000 PPM | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 |
| | * TOTALS | |

ALIMENTARY SYSTEM

| | |
|------------------------------------|--------|
| Esophagus | + | 50 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Large, Colon | + | + | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Intestine Large, Rectum Hemorrhage | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| | | | | | | | 2 | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 45 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | A | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Liver | + | 50 |
| Basophilic Focus | | X | X | | X | X | | | X | X | | X | X | X | X | X | | X | X | | X | X | | X | X | 32 |
| Clear Cell Focus | | X | X | | X | X | | | X | X | | X | | X | X | X | | X | X | | X | X | | X | X | 32 |
| Degeneration, Cystic | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 1 1.0 |
| Eosinophilic Focus | | X | | | | | | | X | | | | | | | | | | | | | | | X | | 3 |
| Hemorrhage | | | | | | | | | | | | | | | | 2 | | | | | | | 1 | | | 3 1.7 |
| Hepatodiaphragmatic Nodule | | 2 | | | | | | | | | | | | | | | | | 2 | | | | | 2 | | 8 2.0 |
| Necrosis, Focal | 1 2.0 |
| Vacuolization Cytoplasmic | 1 2.0 |
| Bile Duct, Hyperplasia | | 2 | | | | | 2 | | 2 | | | | | | | | | | 3 | | | | | 3 | | 11 2.5 |
| Centrilobular, Necrosis | | | | | | | | | | | | 2 | 3 | | | | | | 1 | | | | | | | 3 2.0 |

* .. 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

Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

CARDIOVASCULAR SYSTEM

2) Mild 4) Marked

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| DAY ON TEST | | 0 |
|-----------------------------------|-----------|
| | | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 1 | 6 | 6 | 7 | 7 | 7 | 0 | 7 | 7 | 6 | 7 | 7 | 7 | 7 |
| | | 1 | 3 | 2 | 2 | 2 | 2 | 6 | 0 | 2 | 2 | 9 | 5 | 2 | 3 | 3 | 3 | 5 | 3 | 3 | 7 | 3 | 3 | 3 | 3 |
| | | 8 | 3 | 9 | 0 | 9 | 9 | 9 | 0 | 9 | 9 | 5 | 7 | 8 | 2 | 2 | 2 | 0 | 0 | 0 | 4 | 2 | 2 | 2 | 2 |
| | |
| FISCHER 344 RATS MALE
2000 PPM | ANIMAL ID | 0 |
| | | 0 |
| | | 0 | 1 |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| * TOTALS | |

| | | | | | | | | | | | | | | | | | | |
|------------------------|----|--------|--|--|--|--|--|--|--|--|---|--|--|--|--|-------|--|-------|
| Blood Vessel | + | | | | | | | | | | | 1 | | | | | | | |
| Heart | + | 50 | | | | | | | | | | | | | | | | | |
| Cardiomyopathy | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | | 3 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 47 1.7 | | | | | | | | | | | | | | | | |
| Thrombosis | 3 | | | | | | | | | | | | | | | | | | 2 2.0 |
| Artery, Mineralization | | 3 | | | | | | | | | | | | | | 1 3.0 | | |

ENDOCRINE SYSTEM

| | |
|-----------------------------------|--------|
| Adrenal Cortex | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Accessory Adrenal Cortical Nodule | | 2 | 2 | | | | | | 2 | 2 | | | | 2 | | 2 | | | | | | 2 | 1 | | | 22 1.7 |
| Degeneration, Fatty | 2 | | 7 1.9 |
| Hemorrhage | | | | | | | 1 | | | | | 2 | | | | | | | | | | | | | | 2 1.5 |
| Hyperplasia, Focal | | | | | 1 | 2 | | | 2 | 3 | | | 2 | | | 2 | | 2 | | | | | 3 | | 2 | 22 2.1 |
| Hypertrophy, Focal | 1 2.0 |
| Adrenal Medulla | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Hyperplasia | 2 2.0 |
| Islets, Pancreatic | + | 50 |
| Hyperplasia | | | | | | | | 1 | | | | | 1 | | | | | | | 1 | | | | | | 4 1.3 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 48 |
| Pituitary Gland | M | + | 49 |
| Cyst | 1 3.0 |
| Pars Distalis, Cyst | 1 3.0 |

* .. 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

Page 28

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

Page 29

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| DAY ON TEST | | 0 | 0 | |
|--|--|----------|
| | | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 1 | 6 | 6 | 7 | 7 | 7 | 0 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | |
| | | 1 | 3 | 2 | 2 | 2 | 2 | 6 | 0 | 2 | 2 | 9 | 5 | 2 | 3 | 3 | 3 | 5 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | |
| | | 8 | 3 | 9 | 0 | 9 | 9 | 9 | 0 | 9 | 9 | 5 | 7 | 8 | 2 | 2 | 2 | 0 | 0 | 0 | 4 | 2 | 2 | 2 | 2 | |
| FISCHER 344 RATS MALE
2000 PPM
ANIMAL ID | | 0 | 0 | |
| | | 0 | 0 | |
| | | 0 | 0 | 1 | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | * TOTALS | |

| | |
|------------|--------|
| Thymus | + | + | + | + | + | + | I | + | + | + | M | + | + | + | + | + | + | + | + | + | + | M | + | + | M | 45 |
| Atrophy | 4 | 3 | 3 | 3 | 2 | 4 | | 4 | 3 | 3 | | 4 | 4 | 2 | 4 | 3 | | 2 | 4 | | 3 | | 3 | 3 | | 40 3.1 |
| Hemorrhage | | 1 2.0 |

INTEGUMENTARY SYSTEM

| | |
|------------------------|--------|
| Mammary Gland | + | 50 |
| Cyst | 1 3.0 |
| Hyperplasia | | 2 | | 2 | 1 | 2 | | | | 1 | | | | 1 | 1 | | | | | | | | | | | 13 1.4 |
| Skin | + | 50 |
| Hyperkeratosis | | | | | | | | | | | 4 | | | | | | | | | | | | | | | 3 4.0 |
| Epidermis, Hyperplasia | | | | | | | | | | | 3 | | | | | | | | | | | | | | | 3 3.3 |

MUSCULOSKELETAL SYSTEM

| | |
|-----------------|----|
| Bone | + | 50 |
| Skeletal Muscle | | 1 |

NERVOUS SYSTEM

| | |
|-------------|-------|
| Brain | + | 50 |
| Compression | | 2 | | 4 2.5 |
| Hemorrhage | | | | | | | 1 | | | | | | | 1 | 1 | | 1 | | 2 | | | | | | | 8 1.4 |
| Necrosis | | | | | | | | | | | | | | | | | | | 3 | | | | | | | 2 3.0 |
| Thrombosis | | | | | | | | | | | | | | | | | | | 2 | | | | | | | 1 2.0 |

* .. 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

Page 31

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| DAY ON TEST | | 0 | 0 | |
|--|--|----------|
| | | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 1 | 6 | 6 | 7 | 7 | 7 | 0 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | |
| | | 1 | 3 | 2 | 2 | 2 | 2 | 6 | 0 | 2 | 2 | 9 | 5 | 2 | 3 | 3 | 3 | 5 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | |
| | | 8 | 3 | 9 | 0 | 9 | 9 | 9 | 0 | 9 | 9 | 5 | 7 | 8 | 2 | 2 | 2 | 0 | 0 | 0 | 4 | 2 | 2 | 2 | 2 | |
| FISCHER 344 RATS MALE
2000 PPM
ANIMAL ID | | 0 | 0 | |
| | | 0 | 0 | |
| | | 0 | 0 | 1 | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | * TOTALS | |

| | |
|------------------|---|
| Peripheral Nerve | 1 |
| Spinal Cord | 1 |

RESPIRATORY SYSTEM

| | | |
|--|----|--------|
| Lung | + | 50 | |
| Hemorrhage | | | | | | 2 | | | | | 2 | | | | | | | | | | | | | | | 3 2.3 |
| Infiltration Cellular, Eosinophil | | | | | | | | | | | | | | | | 2 | | | | | | | | | | 1 2.0 |
| Infiltration Cellular, Histiocyte | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 2 | 1 | | 47 1.0 |
| Inflammation, Chronic | 2 | | | | 1 2.0 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | 4 1.0 |
| Metaplasia, Squamous, Focal | | | | | 2 | | 1 2.0 |
| Alveolar Epithelium, Hyperplasia | 1 | | | 2 | | | | | 1 | 1 | | | | | 2 | 1 | | | | 1 | | 3 | | 1 | | 11 1.6 |
| Nose | + | 50 | |
| Foreign Body | | | | | | | | 2 | | | | | 2 | | | | | | | | | 2 | | | | 9 1.6 |
| Inflammation, Chronic | | | | | 4 | | | 2 | | | | 1 | | | | | 1 | | | 2 | | 3 | | 4 | | 16 1.9 |
| Goblet Cell, Hyperplasia | | | | | 3 | | 1 3.0 |
| Respiratory Epithelium, Metaplasia, Squamous | | | | | 1 | | | | | | | | | | | | | | | | | | | 4 | | 2 2.5 |
| Trachea | + | 50 | |

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

Page 32

Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

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

Page 33

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | | |
|---|--|---|
| DAY ON TEST | | 0 |
| | | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 4 | 7 | 7 | 7 | 7 | 6 |
| | | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 1 | 2 | 9 | 2 | 3 | 3 | 3 | 9 | 3 | 7 | 2 | 2 | 2 | 2 | 9 |
| | | 0 | 0 | 8 | 1 | 1 | 4 | 1 | 1 | 8 | 9 | 0 | 9 | 1 | 1 | 1 | 0 | 8 | 0 | 2 | 9 | 9 | 9 | 6 |
| | | |
| FISCHER 344 RATS MALE

10000 PPM

ANIMAL ID | | 0 |
| | | 0 |
| | | 1 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
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ALIMENTARY SYSTEM

| |
|---------------------------------------|
| Esophagus | + |
| Intestine Large, Cecum | + |
| Intestine Large, Colon | + |
| Intestine Large, Rectum | + |
| Intestine Small, Duodenum | + |
| Intestine Small, Ileum | + |
| Intestine Small, Jejunum | + |
| Liver | + |
| Angiectasis | | | | | | | | | | | | 3 | | | | | | | | | | | | |
| Basophilic Focus | X | X | | X | X | | X | | | X | | | X | X | X | X | X | | | X | X | X | X | |
| Clear Cell Focus | X | | | X | X | | | X | | X | | | X | X | X | X | X | | | X | | X | X | |
| Eosinophilic Focus | | X | | | X | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | 1 | | | | | | | | | 2 | | | | | | | | | | |
| Hepatodiaphragmatic Nodule | | | | X | | | | | | | | | | | | | | 2 | | | | X | | |
| Necrosis, Focal | | | | | | | 2 | | | | | | | | | | | | 2 | | | | | |
| Bile Duct, Hyperplasia | | 2 | 3 | | | | 2 | | 2 | | 2 | 3 | | | | | | | 3 | | 3 | | | |
| Centrilobular, Necrosis | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Hepatocyte, Vacuolization Cytoplasmic | | | 3 | | | 2 | | | 4 | | | | | | | | | | 2 | | | | | 4 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. 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

Page 34

Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SR|

| | | FISCHER 344 RATS MALE
10000 PPM | | males
(cont...) |
|------------------------------|--|---|-----------------------|--------------------|
| DAY ON TEST | | 0
7
3
0 | 0
7
3
0 | 0
6
3
8 | 0
7
3
1 | 0
7
3
1 | 0
7
0
4 | 0
7
3
1 | 0
7
3
1 | 0
6
1
8 | 0
7
2
9 | 0
6
9
0 | 0
7
2
9 | 0
7
3
1 | 0
7
3
1 | 0
7
3
1 | 0
6
9
0 | 0
7
3
2 | 0
4
7
9 | 0
7
2
9 | 0
7
2
9 | 0
7
2
9 | 0
7
2
9 | 0
6
2
9 | | | |
| ANIMAL ID | | 0
0
1
0
1 | 0
0
1
0
2 | 0
0
1
0
3 | 0
0
1
0
4 | 0
0
1
0
5 | 0
0
1
0
6 | 0
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1
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7 | 0
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1
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8 | 0
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9 | 0
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3 | 0
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5 | 0
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6 | 0
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7 | 0
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2 | 0
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3 | 0
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1
2
4 | 0
0
1
2
5 | |
| Mesentery | | | | | | | | | | | | + | | | | | | | | | | + | | | | | |
| Accessory Spleen | | | | | | | | | | | | | | | | | | | | | | + | | | | | |
| Fat, Necrosis | | | | | | | | | | | | 2 | | | | | | | | | | 2 | | | | | |
| Oral Mucosa | | | | |
| Pancreas | | + | | |
| Atrophy | | 1 2 1 2 1 1 1 2 2 1 1 3 1 2 2 1 3 1 1 1 | |
| Acinus, Hyperplasia, Focal | | 3 | | |
| Salivary Glands | | + | | |
| Atrophy | | 1 3 1 1 | | |
| Stomach, Forestomach | | + | | |
| Edema | | 4 | | |
| Erosion | | 3 | | |
| Hemorrhage | | 3 | | |
| Inflammation, Chronic Active | | | | |
| Ulcer | | | | |
| Epithelium, Hyperplasia | | 3 | | |
| Stomach, Glandular | | + | | |
| Edema | | | | |
| Erosion | | 2 | | |
| Hyperplasia, Focal | | 4 | | |
| Ulcer | | | | |

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

1 .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 35

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

| DAY ON TEST | | 0 | 0 | |
|------------------------------------|--|-----------------|--|
| | | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 6 | |
| | | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 1 | 2 | 9 | 2 | 3 | 3 | 3 | 3 | 9 | 3 | 7 | 2 | 2 | 2 | 2 | 9 | |
| | | 0 | 0 | 8 | 1 | 1 | 4 | 1 | 1 | 8 | 9 | 0 | 9 | 1 | 1 | 1 | 0 | 8 | 0 | 2 | 9 | 9 | 9 | 9 | 6 | |
| FISCHER 344 RATS MALE
10000 PPM | | 0 | 0 | | |
| | | 0 | 0 | | |
| | | 1 | 1 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | |
| ANIMAL ID | | males (cont...) | |
| | | | |
| | | | |
| Heart | | + | + | | |
| Cardiomyopathy | | 1 | 2 | | 2 | 1 | 2 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | |
| Thrombosis | | | 3 | |

ENDOCRINE SYSTEM

| |
|-----------------------------------|
| Adrenal Cortex | + |
| Accessory Adrenal Cortical Nodule | | 1 | | 1 | 1 | | | 1 | | 1 | | 1 | | | | 1 | 2 | | 2 | | | | 2 | | |
| Degeneration, Fatty | | 2 | 2 | | | 3 | | | | | | | | | | | | | 1 | | | | | | |
| Hyperplasia, Focal | 1 | | 2 | | 1 | | | 1 | | 2 | | | | | | 4 | | | 1 | 4 | | | | | |
| Capsule, Hyperplasia | | | | | | | | | | | | | | | | | 2 | | | | | | | | |
| Adrenal Medulla | + |
| Hyperplasia | | | | | | | | 1 | | | | | | | | | | 2 | | | | | | | |
| Islets, Pancreatic | + |
| Hyperplasia | | 2 | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + |
| Pituitary Gland | + |
| Pars Distalis, Cyst |
| Pars Distalis, Hyperplasia, Focal | | | | | 3 | 3 | | 3 | | | | | | 2 | 3 | | | | | | | 1 | | | |
| Thyroid Gland | + |
| C-cell, Hyperplasia | | | | | | | | | | | | 3 | | | | | | | | | 2 | 2 | 2 | | |

* .. 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

Page 36

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | |
|---|--------------------|
| DAY ON TEST | 0 |
| | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 6 | |
| | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 1 | 2 | 9 | 2 | 3 | 3 | 3 | 9 | 3 | 7 | 2 | 2 | 2 | 2 | 2 | 9 | |
| | 0 | 0 | 8 | 1 | 1 | 4 | 1 | 1 | 8 | 9 | 0 | 9 | 1 | 1 | 1 | 0 | 8 | 0 | 2 | 9 | 9 | 9 | 9 | 6 | |
| | |
| FISCHER 344 RATS MALE
10000 PPM
ANIMAL ID | 0 | |
| | 0 | |
| | 1 | |
| | 0 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | males
(cont...) |

HEMATOPOIETIC SYSTEM

| | |
|------------------------------------|--|
| Bone Marrow | + | |
| Lymph Node | | | + | | | + | | | + | | + | + | | | + | + | + | | | | + | | | + | |
| Mediastinal, Ectasia | |
| Mediastinal, Hemorrhage | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 4 | | | | | | | | | |
| Pancreatic, Ectasia | | | | | | | | | | | | | | | 3 | | 3 | | | | | | | | |
| Pancreatic, Hemorrhage | | | | | | | | | | | | | | | 2 | | | | | | | | | | |
| Lymph Node, Mandibular | M | |
| Lymph Node, Mesenteric | + | |
| Ectasia | | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| Hyperplasia, Reticulum Cell | |
| Spleen | + | |
| Fibrosis | | | | | | | 4 | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | |
| Metaplasia, Osseous | | | 1 | |
| Pigmentation | 2 | | | 2 | 3 | | | 2 | | 3 | | | 3 | 3 | 3 | 1 | | 1 | | 3 | | 3 | 2 | | |
| Lymphoid Follicle, Hyperplasia | | | | | | | | | | | | | | 2 | 3 | 2 | 3 | | | | | | 2 | | |
| Thymus | + | |
| Atrophy | 3 | | | 4 | 2 | 4 | 3 | 3 | | 3 | | | 3 | 3 | 3 | 4 | | 3 | 4 | 4 | 4 | 3 | 4 | 3 | |

* .. 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

Page 38

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| DAY ON TEST | | 0 | males
(cont...) | |
|---|--|--------------------|---|
| | | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 4 | 7 | 7 | 7 | 7 | | 6 |
| | | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 1 | 2 | 9 | 2 | 3 | 3 | 3 | 3 | 9 | 3 | 7 | 2 | 2 | 2 | 2 | | 9 |
| | | 0 | 0 | 8 | 1 | 1 | 4 | 1 | 1 | 8 | 9 | 0 | 9 | 1 | 1 | 1 | 1 | 0 | 8 | 0 | 2 | 9 | 9 | 9 | | 9 |
| | | | |
| FISCHER 344 RATS MALE
10000 PPM
ANIMAL ID | | 0 | males
(cont...) | |
| | | 0 | | 0 |
| | | 1 | | 1 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | | 2 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | | 4 |

Spinal Cord +

RESPIRATORY SYSTEM

| |
|-------------------------------------|
| Lung | + |
| Hemorrhage | | | | | | | | | | | | | | | 2 | | | | 2 | | | | | | |
| Infiltration Cellular, Histiocyte | 1 | 1 | 1 | | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | | 1 | 1 | |
| Inflammation, Chronic | | | | | | | | | | 2 | | | | 1 | | | | | 2 | | | | | | |
| Metaplasia, Osseous | | | | 1 | |
| Alveolar Epithelium, Hyperplasia | 1 | 2 | | 1 | | | 2 | | 2 | | | 2 | | | 2 | | 1 | | | | | 2 | | | |
| Nose | + |
| Foreign Body | | | | | 1 | |
| Inflammation, Chronic | | | | | | | | | | 1 | | 2 | 1 | 1 | | | | | | | | | | | |
| Thrombosis |
| Respiratory Epithelium, Hyperplasia | | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| Trachea | + |

SPECIAL SENSES SYSTEM

| |
|-----------------|
| Eye | + |
| Cataract | | | | | | | | | | 1 | | 2 | | | | | | | | | | | | | 4 |
| Degeneration | 3 |
| Harderian Gland | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. 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

Page 40

2) Mild 4) Marked

Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SR|

CARDIOVASCULAR SYSTEM

2) Mild 4) Marked

Page 44

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| DAY ON TEST | | 0 | 0 | |
|---|--|----------|
| | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | |
| | | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 9 | 2 | 2 | 2 | 4 | 2 | 0 | 2 | 2 | 0 | 2 | 2 | 2 | 2 | 0 | 7 | 3 | 3 | 3 |
| | | 2 | 5 | 1 | 1 | 1 | 0 | 0 | 6 | 8 | 9 | 9 | 6 | 9 | 8 | 9 | 9 | 5 | 9 | 9 | 9 | 9 | 1 | 5 | 3 | 3 | |
| | | |
| FISCHER 344 RATS MALE
10000 PPM
ANIMAL ID | | 0 | 0 | |
| | | 0 | 0 | |
| | | 1 | 1 | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 |
| | | * TOTALS | |

GENERAL BODY SYSTEM

| | |
|-----------------|-------|
| Tissue NOS | |
| Necrosis, Focal | + |
| | 2 |
| | 1 3.0 | |

GENITAL SYSTEM

| | | |
|--------------------------------|--------|--------|
| Epididymis | + | + | 50 |
| Granuloma Sperm | | |
| | 1 2.0 | |
| Preputial Gland | + | + | 50 |
| Cyst | | |
| Inflammation, Chronic | 2 | | 1 | | | 2 | 2 | | | | 2 | | | | 2 | | | 1 | | 2 | 2 | 2 | | 2 | 2 | 3 3.0 |
| | 30 2.0 | |
| Prostate | + | + | 50 |
| Cyst | | |
| Inflammation, Chronic | 2 | | | | | | | | | | 3 | | | | | | 3 | | 3 | | | | 2 | | | 1 3.0 |
| Epithelium, Hyperplasia | 2 | | | 1 | | | | | | | | | | | | 2 | | | | 3 | | | 1 | | 1 | 10 2.3 |
| | 11 1.4 | |
| Seminal Vesicle | + | + | 50 |
| Bilateral, Cyst | | |
| Epithelium, Hyperplasia | | |
| | 1 4.0 | |
| | 1 1.0 | |
| Testes | + | + | 50 |
| Germinal Epithelium, Atrophy | | |
| Interstitial Cell, Hyperplasia | | 2 | | | | 2 | | | 3 | | | | | | | 4 | | 4 | | 4 | | | 2 | | | 12 3.1 |
| | 4 2.3 | |

* .. 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

Page 45

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | | |
|---|--|----------|
| DAY ON TEST | | 0 | 0 | |
| | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | |
| | | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 9 | 2 | 2 | 2 | 4 | 2 | 0 | 2 | 2 | 0 | 2 | 2 | 2 | 0 | 7 | 3 | 3 | |
| | | 2 | 5 | 1 | 1 | 1 | 0 | 0 | 6 | 8 | 9 | 9 | 6 | 9 | 8 | 9 | 9 | 5 | 9 | 9 | 9 | 9 | 1 | 5 | 3 | 3 |
| | | |
| FISCHER 344 RATS MALE
ANIMAL ID
10000 PPM | | 0 | 0 | |
| | | 0 | 0 | |
| | | 1 | 1 | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | * TOTALS | |

HEMATOPOIETIC SYSTEM

| | |
|------------------------------------|--------|
| Bone Marrow | + | 50 |
| | |
| Lymph Node | | | | | | | + | | | | | | | | | | + | + | | | | | | | | 13 |
| Mediastinal, Ectasia | | | | | | | 3 | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Mediastinal, Hemorrhage | | | | | | | 3 | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Mediastinal, Hyperplasia, Lymphoid | | 1 4.0 |
| Pancreatic, Ectasia | 2 3.0 |
| Pancreatic, Hemorrhage | 1 2.0 |
| | |
| Lymph Node, Mandibular | M | 1 |
| | |
| Lymph Node, Mesenteric | + | 50 |
| Ectasia | 2 3.0 |
| Hyperplasia, Reticulum Cell | 1 2.0 |
| | |
| Spleen | + | 50 |
| Fibrosis | 1 4.0 |
| Hematopoietic Cell Proliferation | 2 3.5 |
| Metaplasia, Osseous | 1 1.0 |
| Pigmentation | 2 | | 3 | 2 | 2 | | 2 | | | 2 | 3 | | 2 | | 3 | | | 2 | 3 | 4 | 2 | | | 3 | 2 | 28 2.4 |
| Lymphoid Follicle, Hyperplasia | 8 2.3 |
| | |
| Thymus | + | + | + | + | + | + | + | M | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Atrophy | 2 | 4 | 3 | 3 | 3 | 3 | 4 | | | | | | | | | | | | | | | | | | | 36 3.2 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. 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

Page 46

Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

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

Page 48

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| DAY ON TEST | | 0 |
|---|--|---|
| | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 |
| | | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 9 | 2 | 2 | 2 | 4 | 2 | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 0 | 7 | 3 | 3 |
| | | 2 | 5 | 1 | 1 | 1 | 0 | 0 | 6 | 8 | 9 | 9 | 6 | 9 | 8 | 9 | 9 | 5 | 9 | 9 | 9 | 9 | 1 | 5 | 3 |
| | | |
| FISCHER 344 RATS MALE
10000 PPM
ANIMAL ID | | 0 |
| | | 0 |
| | | 1 |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| * TOTALS | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

URINARY SYSTEM

| | |
|--------------------------------------|--------|
| | |
| Kidney | + | 50 |
| Infarct | | | | | | | | | 2 | | | | | | | | | | | | | | | | 2 2.0 |
| Nephropathy | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 47 1.6 |
| Thrombosis | | | | | | | | | 1 | | | | | | | | | | | | | | | | 1 1.0 |
| Renal Tubule, Hyperplasia | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | 5 1.0 |
| Transitional Epithelium, Hyperplasia | | 1 2.0 |
| | |
| Urethra | 1 |
| Bulbourethral Gland, Cyst | 1 3.0 |
| | |
| Urinary Bladder | + | 50 |
| Inflammation, Chronic | 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

Page 49

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

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CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | |
|---|---|
| DAY ON TEST | 0 |
| | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 |
| | 4 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 8 | 2 | 2 | 3 | 3 | 3 | 6 | 2 | 7 | 2 | 9 | 2 | 3 | 3 | 3 | 1 |
| | 6 | 8 | 1 | 2 | 2 | 2 | 0 | 0 | 2 | 2 | 9 | 9 | 0 | 0 | 0 | 0 | 9 | 6 | 9 | 8 | 9 | 2 | 2 | 2 | 5 |
| | |
| FISCHER 344 RATS MALE
50000 PPM
ANIMAL ID | 0 |
| | 0 |
| | 1 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| males (cont...) |

ALIMENTARY SYSTEM

| |
|---------------------------------|
| Esophagus | I | + |
| Intestine Large, Cecum | + |
| Intestine Large, Colon
Ulcer | + |
| Intestine Large, Rectum | + |
| Intestine Small, Duodenum | + |
| Intestine Small, Ileum | + | + | + | + | M | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + |
| Liver | + |
| Basophilic Focus | | | | X |
| Clear Cell Focus | X | | | X | X | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Degeneration, Cystic |
| Eosinophilic Focus |
| Eosinophilic Focus, Multiple | X |
| Hemorrhage | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| Hepatodiaphragmatic Nodule |
| Inflammation, Chronic |
| Mixed Cell Focus | | | | | | | X | X | | | | | | | | | | | | | X | | | | |
| Necrosis, Focal | 1 |

* .. 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

Page 50

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

| | DAY ON TEST | |
|--|-------------|--------------------|
| | 0 | 0 |
| | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 4 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 8 | 2 | 2 | 3 | 3 | 3 | 6 | 2 | 7 | 2 | 9 | 2 | 3 | 3 | 3 | 1 | |
| | 6 | 8 | 1 | 2 | 2 | 2 | 0 | 0 | 2 | 2 | 9 | 9 | 0 | 0 | 0 | 0 | 9 | 6 | 9 | 8 | 9 | 2 | 2 | 2 | 5 | |
| <hr/> | | |
| FISCHER 344 RATS MALE
50000 PPM | ANIMAL ID | |
| | 0 | 0 |
| | 0 | 0 |
| | 1 | 1 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | males
(cont...) |
| <hr/> | | |
| Bile Duct, Hyperplasia | | | | | | | | | | | | | | | | | | | 2 | | | | | 3 | 2 | |
| Centrilobular, Bile Stasis | | |
| Centrilobular, Necrosis | | |
| Centrilobular, Hepatocyte, Atrophy | | |
| Hepatocyte, Vacuolization Cytoplasmic | | | | | | | | | | | | | | | 3 | | 2 | | | | | | | | | |
| <hr/> | | |
| Mesentery | + | | | | | | + | | + | | | | | + | | | | | | | | | | | | |
| Fat, Necrosis | 3 | | | | | | 2 | | | | | | | 2 | | | | | | | | | | | | |
| <hr/> | | |
| Pancreas | + | + |
| Atrophy | 2 | | 1 | | 2 | | 1 | 4 | | | 1 | 2 | | 2 | | | 2 | 2 | | | | 1 | | | 1 | |
| Acinus, Hyperplasia, Focal | | | | | | | 2 | | | | 4 | | | | | | | | | | | | | | | |
| <hr/> | | |
| Salivary Glands | + | + |
| Atrophy | | | | | | | | | | | | | | 2 | | | | | | | | | 1 | | | |
| <hr/> | | |
| Stomach, Forestomach | + | + |
| Edema | | |
| Erosion | | |
| Hyperkeratosis | | |
| Ulcer | | | | | | | | | | | | | | | 4 | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | 3 | | | | | | | | | | | | |
| <hr/> | | |
| Stomach, Glandular | + | + |
| Erosion | | | | | | | | | | | | | | 1 | | 3 | | | | | | | | | | |
| Ulcer | | |
| <hr/> | | |
| Tongue | | |
| Epithelium, Hyperplasia | | |

* .. 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

Page 51

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | | 0 | 0 |
|-----------------------------------|--|-----------------|
| DAY ON TEST | | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 |
| | | 4 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 8 | 2 | 2 | 3 | 3 | 3 | 6 | 2 | 7 | 2 | 9 | 2 | 3 | 3 | 3 | 1 |
| | | 6 | 8 | 1 | 2 | 2 | 2 | 0 | 0 | 2 | 2 | 9 | 9 | 0 | 0 | 0 | 0 | 9 | 6 | 9 | 8 | 9 | 2 | 2 | 2 | 5 |
| | | |
| FISCHER 344 RATS MALE | | 0 | 0 |
| ANIMAL ID | | 0 | 0 |
| 50000 PPM | | 1 | 1 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| | | males (cont...) | |
| Pituitary Gland | | + | + | |
| Pars Distalis, Angiectasis | | |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | 3 | | | | | | | |
| Pars Distalis, Hemorrhage | | | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| Pars Distalis, Hyperplasia, Focal | | | | | 2 | 1 | 3 | | | | | | | 3 | | 4 | | | | | 2 | 1 | | 2 | 4 | |
| Pars Distalis, Necrosis | | |
| Pars Intermedia, Cyst | | |
| | | |
| Thyroid Gland | | + | + | |
| C-cell, Hyperplasia | | | | 1 | 1 | | | | | | | | | | 1 | | | | | | | | | | | |

GENERAL BODY SYSTEM

Tissue NOS

GENITAL SYSTEM

| |
|-----------------------|
| Epididymis | + |
| Preputial Gland | + |
| Atrophy |
| Cyst | | | | | | | | | | | | | | | 3 | | | | | | | | | | |
| Hyperplasia |
| Inflammation, Chronic | 2 | 2 | 2 | | 2 | 2 | 2 | | 2 | 2 | 2 | 2 | | 2 | | | | 2 | | | 1 | 2 | 2 | 2 | 2 |
| Prostate | + |
| Cyst | 3 | | | | |
| Inflammation, Chronic | | 2 | | | | | | 2 | | | 4 | | | | | | 1 | | | | | | | | |

* .. 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

Page 53

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | | | |
|------------------------------------|--|---|---|
| FISCHER 344 RATS MALE
50000 PPM | | DAY ON TEST | 0 | |
| | | | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 |
| | | | 4 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 8 | 2 | 2 | 3 | 3 | 3 | 6 | 2 | 7 | 2 | 9 | 2 | 3 | 3 | 3 | 1 |
| | | | 6 | 8 | 1 | 2 | 2 | 2 | 0 | 0 | 2 | 2 | 9 | 9 | 0 | 0 | 0 | 0 | 9 | 6 | 9 | 8 | 9 | 2 | 2 | 2 | 5 |
| FISCHER 344 RATS MALE
50000 PPM | | ANIMAL ID | 0 | |
| | | | 0 | |
| | | | 1 | |
| | | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| Epithelium, Hyperplasia | | 2 | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| Seminal Vesicle | | + | |
| Testes | | + | |
| Germinal Epithelium, Atrophy | | 4 4 4 2 4 4 4 |
| Interstitial Cell, Hyperplasia | | 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 |
| | | males (cont...) |

males
(cont...)

HEMATOPOIETIC SYSTEM

| | | | |
|---|---|---|--|
| Bone Marrow | + | | |
| | Myelofibrosis 3 | | |
| Lymph Node | + | | |
| | Mediastinal, Ectasia 2 2 | | |
| | Mediastinal, Hemorrhage 2 | | |
| | Mediastinal, Hyperplasia, Lymphoid 2 | | |
| | Pancreatic, Ectasia 2 | | |
| | Pancreatic, Hemorrhage 2 | | |
| | Pancreatic, Hyperplasia, Lymphoid 2 | | |
| Pancreatic, Infiltration Cellular, Histiocyte | | 2 | |
| Lymph Node, Mandibular | | M + M | |
| Lymph Node, Mesenteric | | + | |
| Ectasia | | 3 3 | |
| Hyperplasia, Reticulum Cell | | 4 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. 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

Page 54

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| FISCHER 344 RATS MALE
50000 PPM | | ANIMAL ID | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | |
|------------------------------------|---|------------------|
| | | |
| | | | | 0
6
4
6 | 0
5
2
8 | 0
7
3
1 | 0
7
3
2 | 0
7
3
2 | 0
7
3
2 | 0
7
3
0 | 0
7
3
0 | 0
6
2
2 | 0
6
8
2 | 0
7
2
9 | 0
7
2
9 | 0
7
3
0 | 0
7
3
0 | 0
7
3
0 | 0
3
6
0 | 0
7
2
9 | 0
6
7
9 | 0
6
2
8 | 0
7
2
9 | | | 0
7
3
2 |
| 0
0
1
5
1 | 0
0
1
5
2 | 0
0
1
5
3 | 0
0
1
5
4 | 0
0
1
5
5 | 0
0
1
5
6 | 0
0
1
5
7 | 0
0
1
5
8 | 0
0
1
5
9 | 0
0
1
6
0 | 0
0
1
6
1 | 0
0
1
6
2 | 0
0
1
6
3 | 0
0
1
6
4 | 0
0
1
6
5 | 0
0
1
6
6 | 0
0
1
6
7 | 0
0
1
6
8 | 0
0
1
6
9 | 0
0
1
7
0 | 0
0
1
7
1 | 0
0
1
7
2 | 0
0
1
7
3 | 0
0
1
7
4 | 0
0
1
7
5 | | |
| Spleen | | | | + | |
| Fibrosis | | |
| Hematopoietic Cell Proliferation | | | | 3 | | | | | | | | | | | | | | | | 2 | | | | | | |
| Pigmentation | | | | 2 | 2 | | 2 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 3 | 2 | | 3 | | 3 | 1 | | 2 | 1 | |
| Thrombosis | | |
| Lymphoid Follicle, Hyperplasia | | | | 3 | 1 | | | | | 2 | | | 1 | 2 | | | | | | 1 | 1 | 1 | 1 | | | |
| Thymus | | | | + | + | + | M | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | |
| Atrophy | | | | | 4 | | | 3 | 3 | 3 | 3 | | 3 | 4 | 4 | 4 | 4 | | 4 | 2 | 3 | 4 | 3 | 4 | 3 | |

INTEGUMENTARY SYSTEM

| |
|---------------------------|
| Mammary Gland | + |
| Cyst | | | | | | | | 3 | | | 3 | | | 3 | | | | | | | | | | | |
| Hyperplasia | | | | | | 1 | | | | | | | | 2 | 1 | | | | | | 1 | | | | |
| Skin | + |
| Cyst Epithelial Inclusion | | | | | | | | | | | X | X | | | | | | | | | X | | | | |
| Hyperkeratosis | | | | | | | | | | | | | | 4 | | | | | | | | | | | |
| Epidermis, Hyperplasia | | | | | | | | | | | | | | 3 | | | | | | | | | | | |
| Pinna, Ulcer |

MUSCULOSKELETAL SYSTEM

| |
|-----------------|
| Bone | + |
| Skeletal Muscle | | + | | | | | | | | | + | | | | | | | | | | | | | | |

* .. 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

Page 55

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

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Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | |
|---|---|
| DAY ON TEST | 0 |
| | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 4 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 8 | 2 | 2 | 3 | 3 | 3 | 6 | 2 | 7 | 2 | 9 | 2 | 3 | 3 | 3 | 1 |
| | 6 | 8 | 1 | 2 | 2 | 2 | 0 | 0 | 2 | 2 | 9 | 9 | 0 | 0 | 0 | 0 | 9 | 6 | 9 | 8 | 9 | 2 | 2 | 2 | 5 |
| | |
| FISCHER 344 RATS MALE
ANIMAL ID
50000 PPM | 0 |
| | 0 |
| | 1 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| males (cont...) |

NERVOUS SYSTEM

| |
|-----------------------------|
| Brain | + |
| Compression | | | | | | | | | | 2 | | | 4 | | | 1 | | | | | | | | | |
| Edema, Focal | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| Hemorrhage |
| Metaplasia, Lipocyte, Focal | |
| Thrombosis | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| |
| Peripheral Nerve | | + | |
| |
| Spinal Cord | | + | |

RESPIRATORY SYSTEM

| | |
|---|---|
| Lung | + |
| Fibrosis | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 2 | 1 | | 1 | 1 | 1 | 1 | 1 |
| Inflammation, Chronic | | | | | | | | | 1 | | | | | | | 1 | | | | | | | | | |
| Metaplasia, Osseous | | | 3 | | | | | | | | | | | 1 | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia | | | | 1 | | | 2 | | | | 2 | 1 | 2 | | 1 | 2 | | 2 | 2 | 1 | | | 2 | | 1 |
| Alveolar Epithelium, Metaplasia, Squamous | |
| | |
| Nose | + |
| Foreign Body | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | 2 | | | | | 2 | | | | | | | | | | | 2 | | | |

* .. 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

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TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | | | |
|--------------------------------------|--|-------|--------------------|
| DAY ON TEST | | 0 | 0 | |
| | | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | |
| | | 4 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 8 | 2 | 2 | 3 | 3 | 3 | 6 | 2 | 7 | 2 | 9 | 2 | 3 | 3 | 3 | 1 | |
| | | 6 | 8 | 1 | 2 | 2 | 2 | 2 | 0 | 0 | 2 | 2 | 9 | 9 | 0 | 0 | 0 | 0 | 9 | 6 | 9 | 8 | 9 | 2 | 2 | 2 | 5 |
| FISCHER 344 RATS MALE
50000 PPM | | | |
| | | 0 | 0 | |
| | | 0 | 0 | |
| | | 1 | 1 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | males
(cont...) |
| Trachea | | + | + | |
| SPECIAL SENSES SYSTEM | | | |
| Eye | | | |
| Cataract | | + | + | + | + | + | + | + | + | 1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Pigmentation, Hemosiderin, Focal | | | |
| Retinal Detachment, Focal | | | |
| Retina, Necrosis, Focal | | | |
| Harderian Gland | | | |
| | | + | + | |
| URINARY SYSTEM | | | |
| Kidney | | | |
| Cyst | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 3 | + | + | + | + | + | + | + | + | + | + | |
| Infarct | | | |
| Nephropathy | | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 3 | 2 | 2 | 3 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | |
| Renal Tubule, Hyperplasia | | | |
| Transitional Epithelium, Hyperplasia | | 1 | |
| Urinary Bladder | | | |
| Inflammation, Chronic | | + | + | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal

2) Mild

3) Moderate

4) Marked

Page 57

Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SR|

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Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

CHROMIUM PICOLINATE MONOHYDRATE

CAS Number: 27882-76-4

Date Report Regsted: 03/16/2007

Time Report Reqsted: 08:39:18

First Dose M/F: 08/12/02 / 08/12/02

Lab: SRI

| FISCHER 344 RATS MALE
50000 PPM | | DAY ON TEST | 0 | |
|------------------------------------|--|-------------|----------|-----|
| | | 6 | 7 | 7 | 5 | 5 | 6 | 7 | 6 | 7 | 7 | 6 | 4 | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 5 | 7 | 7 | 7 | |
| | | 7 | 3 | 3 | 0 | 3 | 2 | 2 | 2 | 3 | 0 | 9 | 7 | 3 | 3 | 2 | 2 | 6 | 8 | 2 | 0 | 6 | 0 | 3 | 3 | 3 |
| | | 6 | 2 | 1 | 9 | 9 | 8 | 5 | 8 | 3 | 1 | 8 | 6 | 0 | 0 | 9 | 9 | 2 | 2 | 9 | 8 | 5 | 5 | 3 | 2 | 2 |
| | | ANIMAL ID | 0 | 0 |
| | | 0 | 0 | |
| | | 1 | 1 | 2 | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | | * TOTALS | |
| Epithelium, Hyperplasia | | 2 | | | | | | | | | | | 1 | | | | | | | | | | | 4 | 1.5 | |
| Seminal Vesicle | | | 50 | |
| Testes | | | 50 | |
| Germinal Epithelium, Atrophy | | 4 | | | | | | | | | | | 2 | | | | | | | | | | | 3 | 11 | 3.3 |
| Interstitial Cell, Hyperplasia | | | | | | | | | | | | | 3 | | | | | | | | | | | 5 | 1.2 | |

HEMATOPOIETIC SYSTEM

[illegible]

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

1. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 62

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

2) Mild 4) Marked

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | | |
|---|--|----------|
| DAY ON TEST | | 0 |
| | | 6 | 7 | 7 | 5 | 5 | 6 | 7 | 6 | 7 | 7 | 6 | 4 | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 |
| | | 7 | 3 | 3 | 0 | 3 | 2 | 2 | 3 | 0 | 9 | 6 | 7 | 3 | 3 | 2 | 2 | 6 | 8 | 2 | 0 | 6 | 0 | 3 | 3 | 3 | 3 |
| | | 6 | 2 | 1 | 9 | 9 | 8 | 5 | 8 | 3 | 1 | 8 | 6 | 0 | 0 | 9 | 9 | 2 | 2 | 9 | 8 | 5 | 5 | 3 | 2 | 2 | 2 |
| | | |
| FISCHER 344 RATS MALE
50000 PPM
ANIMAL ID | | 0 |
| | | 0 |
| | | 1 | 2 |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
| 50000 PPM | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS |

NERVOUS SYSTEM

| | | | |
|-----------------------------|----|---|-----|
| Brain | + | 50 | | |
| Compression | | | | | | | | 4 | | | | | | | | | | | | | | | | | 4 | | 5 | 3.0 |
| Edema, Focal | | 1 | 1.0 |
| Hemorrhage | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Metaplasia, Lipocyte, Focal | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | 1 | 2.0 |
| Thrombosis | | 1 | 1.0 |
| | | | |
| Peripheral Nerve | | 1 | |
| | | | |
| Spinal Cord | | 1 | |

RESPIRATORY SYSTEM

| | | | | |
|---|----|----|-----|-----|
| Lung | + | 50 | | | |
| Fibrosis | | 1 | 2.0 | |
| Infiltration Cellular, Histiocyte | 1 | 1 | 1 | 3 | | 1 | | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | | | 43 | 1.1 | |
| Inflammation, Chronic | | 2 | 1.0 | |
| Metaplasia, Osseous | | 2 | 2.0 | |
| Alveolar Epithelium, Hyperplasia | | | | 2 | | | | 1 | | 1 | 1 | | 4 | | | | 1 | | | | 1 | | | | | | 19 | 1.6 | |
| Alveolar Epithelium, Metaplasia, Squamous | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | 1 | 4.0 | |
| | | | | |
| Nose | + | 50 | | | |
| Foreign Body | | | 2 | | | | | | | 2 | | | | | | | | | | | | | | | | | | 3 | 2.0 |
| Inflammation, Chronic | | | 3 | | | | | 1 | | 2 | | | | | | | | | | | | | | | 1 | | | 7 | 1.9 |
| | | | | |

* .. 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

Page 64

Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SR|

2) Mild 4) Marked

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

| DAY ON TEST | 0 |
|----------------------------------|
| | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 4 | 7 | 6 | 7 |
| FISCHER 344 RATS FEMALE
0 PPM | 7 | 3 | 3 | 2 | 3 | 3 | 3 | 5 | 0 | 3 | 8 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 6 | 3 | 1 | 3 | 4 | 3 |
| | 9 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 4 | 6 | 6 | 7 | 7 | 7 | 7 | 1 | 7 | 5 | 7 | 6 | 6 | 0 | 6 | 7 | 6 |
| ANIMAL ID | 0 |
| | 0 |
| | 2 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| females (cont...) |

ALIMENTARY SYSTEM

| |
|---------------------------------------|
| Esophagus | + |
| Intestine Large, Cecum | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + |
| Intestine Small, Jejunum | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + |
| Liver | + |
| Basophilic Focus | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | | X | X | X | X | | X | X | X |
| Clear Cell Focus | X | X | | X | X | X | X | | | | X | | X | X | X | | X | | X | | | | | X |
| Hemorrhage |
| Hepatodiaphragmatic Nodule | 2 | | | | | | | 2 | | | | | | | | 2 | | | | | | 2 | | |
| Hypertrophy, Focal | 2 | |
| Inflammation, Chronic | | | | 2 | |
| Necrosis, Focal | | | | | | | | | | | | | | | 2 | | 1 | | | | | | | |
| Thrombosis | | | | | | | | 2 | | | | | | | | 4 | | | | | | | | |
| Bile Duct, Hyperplasia | | | | | | | | | | | | | | | | 2 | 2 | | | | | | | |
| Centrilobular, Necrosis | | | | | | | | | | | 2 | | | | | | | | | | 4 | | | |
| Hepatocyte, Vacuolization Cytoplasmic | | | 2 | | | | | 4 | | | | | | | 4 | | 4 | | | | | | | |

* .. 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

Page 66

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

| FISCHER 344 RATS FEMALE
0 PPM | | DAY ON TEST | | females
(cont...) |
|----------------------------------|--|-------------|----------------------|
| | | 0 | 0 | | |
| | | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 4 | 7 | 6 | 7 | |
| | | 7 | 3 | 3 | 2 | 3 | 3 | 3 | 5 | 0 | 3 | 8 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 6 | 3 | 1 | 3 | 4 | 3 | |
| ANIMAL ID | | 9 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 4 | 6 | 6 | 7 | 7 | 7 | 7 | 1 | 7 | 5 | 7 | 6 | 6 | 0 | 6 | 7 | 6 | |
| | | | |
| | | 0 | 0 | |
| | | 0 | 0 | |
| 0 PPM | | 2 | 2 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | |
| | | | |
| Cardiomyopathy | | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | | 2 | 2 | | | | 1 | 1 | 1 | 2 | 2 | 1 | 1 | |
| Thrombosis | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |

females
(cont...)

ENDOCRINE SYSTEM

| |
|-----------------------------------|
| Adrenal Cortex | + |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | |
| Angiectasis | 2 | |
| Degeneration, Fatty | | | | | | | | 1 | | | | | | | | 3 | 1 | | | | | | | |
| Hemorrhage |
| Hyperplasia, Focal | | | | | | 1 | 3 | | 1 | 2 | | | 2 | | | | | | 1 | | | 3 | | 2 |
| Hypertrophy | | | 4 | | 3 | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | 2 | | | | | | | | |
| Vacuolization Cytoplasmic |
| Adrenal Medulla | + |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + |
| Hyperplasia |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | M | M | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland | + | + | + | A | + |
| Pars Distalis, Angiectasis | | | | | | | | | | | | | | | | 3 | | | | | | | | |
| Pars Distalis, Cyst | | | | | | | 3 | | | | | | | | | | | | | 3 | 3 | 3 | | 3 |
| Pars Distalis, Hyperplasia, Focal | | | | | | 1 | | | 1 | | | | | 2 | 3 | | | | 3 | | 2 | 2 | | |
| Pars Intermedia, Angiectasis |
| Pars Intermedia, Cyst |
| Rathke's Cleft, Hemorrhage |

* .. 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

Page 68

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Date Report Requested: 03/16/2007
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First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

2) Mild 4) Marked

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
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 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

| | | DAY ON TEST | | |
|--------------------------------------|--|-------------|-------------------|---|
| | | 0 | 0 | 0 |
| | | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 4 | 7 | 6 | 7 | 6 | 7 |
| | | 7 | 3 | 3 | 2 | 3 | 3 | 3 | 5 | 0 | 3 | 8 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 6 | 3 | 1 | 3 | 4 | 3 | 4 | 3 |
| | | 9 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 4 | 6 | 6 | 7 | 7 | 7 | 7 | 1 | 7 | 5 | 7 | 6 | 6 | 0 | 6 | 7 | 6 | 7 | 6 |
| | | | | |
| FISCHER 344 RATS FEMALE | | 0 | 0 | 0 |
| 0 PPM | | 0 | 0 | 0 |
| ANIMAL ID | | 2 | 2 | 2 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | females (cont...) | |
| Bone Marrow | | | | |
| Myelofibrosis | | + | + | |
| | | | | |
| Lymph Node | | | | |
| Deep Cervical, Ectasia | | | | |
| Deep Cervical, Hemorrhage | | | | |
| Deep Cervical, Hyperplasia, Lymphoid | | | | |
| Mediastinal, Ectasia | | | | |
| Mediastinal, Hemorrhage | | | | |
| Mediastinal, Hyperplasia, Lymphoid | | | | |
| Mediastinal, Pigmentation | | | | |
| | | | | |
| Lymph Node, Mandibular | | M | M | |
| Ectasia | | | | |
| Hyperplasia, Lymphoid | | | | |
| | | | | |
| Lymph Node, Mesenteric | | + | + | |
| Hemorrhage | | | | |
| Pigmentation, Hemosiderin | | | | |
| | | | | |
| Spleen | | + | + | |
| Hematopoietic Cell Proliferation | | | | |
| Pigmentation | | | | |
| Lymphoid Follicle, Hyperplasia | | 1 | | 3 | 2 | | 3 | 3 | 3 | 3 | 4 | 2 | | 3 | 3 | 3 | 3 | | 2 | 4 | | 3 | 3 | | 3 | 1 | 4 | |
| | | | | |
| Thymus | | + | + | M | + | + | + | + | + | + | + | + | M | M | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Atrophy | | | | |

* .. 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

Page 70

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| DAY ON TEST | 0 |
|---|---|
| | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 4 | 7 | 6 | 7 |
| | 7 | 3 | 3 | 2 | 3 | 3 | 3 | 5 | 0 | 3 | 8 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 6 | 3 | 1 | 3 | 4 | 3 |
| | 9 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 4 | 6 | 6 | 7 | 7 | 7 | 7 | 1 | 7 | 5 | 7 | 6 | 6 | 0 | 6 | 7 | 6 |
| | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
0 PPM | 0 |
| | 0 |
| | 2 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |

females
(cont...)

INTEGUMENTARY SYSTEM

Mammary Gland
Cyst
Hyperplasia

| |
|---|
| + | + | + | + | + | + | + | + | + | + | + | 3 | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | 3 | | | | | 3 | | 3 | | | | | | |
| | 2 | 3 | | | | 4 | 2 | 4 | 4 | 3 | 2 | 4 | | | | 2 | | 4 | 2 | 4 | | 4 | 3 | |

Skin

| |
|---|
| + |
|---|

MUSCULOSKELETAL SYSTEM

Bone

| |
|---|
| + |
|---|

NERVOUS SYSTEM

Brain
Compression
Gliosis
Hemorrhage

| |
|---|
| + |
| | | | | 3 | | | | 4 | 4 | | | | | | | | 3 | | | | | 3 | | |
| | | | | | | | | | | | 1 | | | | | | | | | | | | | |

Peripheral Nerve

Spinal Cord

RESPIRATORY SYSTEM

Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

TDMS No. 99027 - 03
Test Type: CHRONIC
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Lab: SRI

| | | |
|---|--|---|
| DAY ON TEST | | 0 | |
| | | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 4 | 7 | 6 | 7 | |
| | | 7 | 3 | 3 | 2 | 3 | 3 | 3 | 5 | 0 | 3 | 8 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 6 | 3 | 1 | 3 | 4 | 3 |
| | | 9 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 4 | 6 | 6 | 7 | 7 | 7 | 7 | 1 | 7 | 5 | 7 | 6 | 6 | 0 | 6 | 7 | 6 |
| | | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
0 PPM | | 0 | |
| | | 0 | |
| | | 2 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| females (cont...) | | |

females
(cont...)

Zymbal's Gland

URINARY SYSTEM

| |
|---------------------------|
| Kidney | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + |
| Nephropathy | 1 | 1 | 2 | | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | | 2 | 1 | 1 | | 2 | 1 | 1 |
| Thrombosis | | | 2 | |
| Renal Tubule, Hyperplasia | |
| Urinary Bladder | + |

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| DAY ON TEST | | 0 |
|---|--|---|
| | | 7 | 7 | 7 | 3 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 |
| | | 3 | 3 | 3 | 9 | 3 | 3 | 9 | 3 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 6 | 3 | 3 |
| | | 7 | 7 | 7 | 6 | 7 | 3 | 7 | 3 | 3 | 3 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | 7 | 7 | 7 | 9 | 7 | 7 |
| | | |
| FISCHER 344 RATS FEMALE
0 PPM
ANIMAL ID | | 0 |
| | | 0 |
| | | 2 |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | |
| * TOTALS | | |

ALIMENTARY SYSTEM

| | |
|---------------------------------------|--------|
| Esophagus | + | 50 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 47 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 47 |
| Intestine Large, Rectum | + | 48 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 47 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 46 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 46 |
| Liver | + | 50 |
| Basophilic Focus | X | | X | X | X | X | X | X | 4 | X | X | X | X | | X | X | X | | | X | X | | X | X | X | 41 4.0 |
| Clear Cell Focus | X | X | X | | X | X | X | | X | X | | | | X | X | | | | X | | X | | X | X | | 27 |
| Hemorrhage | | 1 | | | | | | | | | | | | | | | | | | X | | X | | X | | 1 1.0 |
| Hepatodiaphragmatic Nodule | | | X | | | | X | | | | | | | | | | | 2 | 2 | | | | | | | 8 2.0 |
| Hypertrophy, Focal | 1 2.0 |
| Inflammation, Chronic | | | | | | | | | 2 | | | | | | | | | | | 2 | | | | | | 3 2.0 |
| Necrosis, Focal | 2 1.5 |
| Thrombosis | 2 3.0 |
| Bile Duct, Hyperplasia | 3 | | | 3 2.3 |
| Centrilobular, Necrosis | | | | | | | | | | | | | | | | | | | 3 | | | 2 | | | | 4 2.8 |
| Hepatocyte, Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | 2 | | | 4 | | | | 6 3.3 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. 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

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Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

CARDIOVASCULAR SYSTEM

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

Page 75

2) Mild 4) Marked

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| DAY ON TEST | | 0 | |
|---|--|----------|
| | | 7 | 7 | 7 | 3 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | |
| | | 3 | 3 | 3 | 9 | 3 | 3 | 9 | 3 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | |
| | | 7 | 7 | 7 | 6 | 7 | 3 | 7 | 3 | 3 | 3 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | 7 | 7 | 7 | 9 | 7 | 7 | 7 | |
| | | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
0 PPM | | 0 | |
| | | 0 | |
| | | 2 | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS |

| | |
|----------------------|--------|
| Thyroid Gland | + | + | + | + | + | + | + | + | + | 2 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Ultimobranchial Cyst | | 1 2.0 |
| C-cell, Hyperplasia | | 1 | 2 | | 2 | 4 | | 1 | | 2 | | | 1 | 2 | 2 | 2 | | | 1 | | | | | 1 | 1 | | 25 1.7 |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| | |
|---------------------------|--------|
| Clitoral Gland | + | 50 |
| Cyst | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | 2 3.0 |
| Hyperplasia | 2 | | 1 | | 8 2.4 |
| Inflammation, Chronic | | | | | | | | 2 | | | | | | | | | | | | 2 | | | | | | | 4 2.3 |
| Ovary | + | 50 |
| Cyst | | | | | 3 | | | | | | 3 | | | | | | | | 3 | | | | 3 | | | | 8 3.0 |
| Uterus | + | 50 |
| Hemorrhage | | | | | | | | 4 | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Hyperplasia, Cystic | | 1 | | | | | | | | | 2 | | 1 | | | 1 | 2 | | | 1 | | 2 | | | 4 | | 17 2.1 |
| Inflammation, Suppurative | | 1 2.0 |
| Cervix, Hemorrhage | 2 | | | 1 2.0 |
| Vagina | + | | | 5 |

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

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TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

| | | 0 | 0 | | | | | | | |
|--------------------------------------|--|----------|--------|-------|--------|-------|--|--|--|-------|
| DAY ON TEST | | 7 | 7 | 7 | 3 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | | | | | | | | |
| | | 3 | 3 | 3 | 9 | 3 | 3 | 9 | 3 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 6 | 3 | 3 | 3 | | | | | | | |
| | | 7 | 7 | 7 | 6 | 7 | 3 | 7 | 3 | 3 | 3 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | 7 | 7 | 7 | 9 | 7 | 7 | 7 | | | | | | | |
| | | | | | | | | | | |
| FISCHER 344 RATS FEMALE | | 0 | 0 | | | | | | | |
| ANIMAL ID | | 0 | 0 | | | | | | | |
| 0 PPM | | 2 | 2 | | | | | | | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | | | | | | | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | | | | | | | |
| | | * TOTALS | | | | | | | | |
| | | | | | | | | | | |
| Bone Marrow | | + | + | 50 | | | | | | | |
| Myelofibrosis | | 2 3.5 | | | | | | | | |
| | | | | | | | | | | |
| Lymph Node | | | | | | | | + | | | | + | | | | | | | + | | | | | | | + | | | | | | | 9 |
| Deep Cervical, Ectasia | | | | | | | | | | 1 2.0 |
| Deep Cervical, Hemorrhage | | | | | | | | | | 1 2.0 |
| Deep Cervical, Hyperplasia, Lymphoid | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Mediastinal, Ectasia | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | 3 2.0 |
| Mediastinal, Hemorrhage | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Mediastinal, Pigmentation | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| | | | | | | | | | | |
| Lymph Node, Mandibular | | M | M | M | M | M | M | M | M | M | + | M | M | M | M | M | M | M | M | M | M | M | M | M | M | 1 | | | | | | | |
| Ectasia | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | 1 1.0 | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | 1 2.0 | | | | | |
| | | | | | | | | | | |
| Lymph Node, Mesenteric | | + | + | 50 | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 1.0 | | | | | |
| Pigmentation, Hemosiderin | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | 1 2.0 | | | | | | |
| | | | | | | | | | | |
| Spleen | | + | + | 50 | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | 4 2.5 | | | | | |
| Pigmentation | | 4 | 3 | 3 | 2 | 4 | 1 | | | | 2 | 3 | 3 | 2 | 3 | 4 | 3 | 1 | 3 | | | 3 | 3 | 2 | 3 | 3 | 3 | 40 2.8 | | | | | |
| Lymphoid Follicle, Hyperplasia | | | | | | 1 | | | | | | | | | | | 2 | | | | | | | | | | | | 7 1.7 | | | | |
| | | | | | | | | | | |
| Thymus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | 46 | | | | | | | |
| Atrophy | | 4 | 3 | 4 | 4 | | 4 | 2 | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | | 3 | 3 | 3 | 3 | 3 | 37 3.1 | | | | | | | |

* .. 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

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| DAY ON TEST | | 0 | |
|---|--|---|
| | | 7 | 7 | 7 | 3 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | |
| | | 3 | 3 | 3 | 9 | 3 | 3 | 9 | 3 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 6 | 3 | 3 | 3 |
| | | 7 | 7 | 7 | 6 | 7 | 3 | 7 | 3 | 3 | 3 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | 7 | 7 | 7 | 9 | 7 | 7 | 7 |
| | | |
| FISCHER 344 RATS FEMALE
0 PPM
ANIMAL ID | | 0 | |
| | | 0 | |
| | | 2 | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| * TOTALS | | |

INTEGUMENTARY SYSTEM

| | |
|---------------|--------|
| Mammary Gland | + | 50 |
| Cyst | | 3 | | | | | 3 | | | | 3 | | | | | | | | | 3 | | | | | | 8 3.0 |
| Hyperplasia | 4 | 2 | | | 3 | 2 | 2 | 3 | 4 | 2 | 2 | 4 | | 4 | 4 | 4 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 3 | 37 3.0 |
| | |
| Skin | + | 50 |

MUSCULOSKELETAL SYSTEM

| | |
|------|----|
| Bone | + | 50 |
|------|----|

NERVOUS SYSTEM

| | |
|------------------|-------|
| Brain | + | 50 |
| Compression | 4 | | | | | | 4 | | | | 3 | | | 4 | | | | | | | | | | | | 9 3.6 |
| Gliososis | | | | | | | | | | | 2 | | | | | | | | | | | | | | | 1 2.0 |
| Hemorrhage | | | | 1 | | 2 1.0 |
| | |
| Peripheral Nerve | | | | | | | | | + | | | | | | | | | | | | + | | | | | 2 |
| | |
| Spinal Cord | | | | | | | | | + | | | | | | | | | | | | + | | | | | 2 |

RESPIRATORY SYSTEM

Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

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

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Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

[illegible]

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

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TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | | | | |
|--|--|----------------------|---|---|
| DAY ON TEST | | 0 | females
(cont...) | | |
| | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 6 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | | 7 | |
| | | 3 | 4 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 9 | 6 | 3 | 3 | 8 | 3 | 2 | 3 | 6 | 3 | 3 | 3 | 3 | 3 | | 3 | 3 |
| | | 6 | 7 | 1 | 6 | 6 | 3 | 3 | 3 | 3 | 8 | 6 | 7 | 7 | 4 | 7 | 8 | 7 | 6 | 7 | 7 | 3 | 3 | 3 | | 3 | 3 |
| FISCHER 344 RATS FEMALE
2000 PPM
ANIMAL ID | | 0 | females
(cont...) | | |
| | | 0 | | 0 | 0 |
| | | 2 | | 2 | 2 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | | 7 | 7 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | | 4 | 5 |

ALIMENTARY SYSTEM

| |
|----------------------------|
| Esophagus | + |
| Intestine Large, Cecum | + |
| Intestine Large, Colon | + |
| Intestine Large, Rectum | + | + | + | M | + |
| Intestine Small, Duodenum | + |
| Intestine Small, Ileum | + |
| Intestine Small, Jejunum | + |
| Liver | + |
| Basophilic Focus | X | X | X | X | | X | X | X | X | X | X | X | X | | X | | X | X | X | | X | X | X | X | X |
| Clear Cell Focus | X | X | | | | X | | | | | X | X | X | | X | | | X | X | | X | X | X | | X |
| Degeneration, Cystic |
| Eosinophilic Focus |
| Hemorrhage |
| Hepatodiaphragmatic Nodule | | | | | | | | | | | | | | 2 | | | | 2 | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | 2 | | | | | | | | | |
| Mixed Cell Focus | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Thrombosis |
| Bile Duct, Hyperplasia | | | | | 3 | | | | | | | | | 4 | | | | | | | | | | | |
| Centrilobular, Necrosis | | | | | | | | | | | | | | 2 | | | | | 3 | | | | | | |

* .. 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

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TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | | | | |
|--|--|----------------------|--|--|
| DAY ON TEST | | 0 | | |
| | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 6 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 3 | 4 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 9 | 6 | 3 | 3 | 8 | 3 | 2 | 3 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | 6 | 7 | 1 | 6 | 6 | 3 | 3 | 3 | 3 | 3 | 8 | 6 | 7 | 7 | 4 | 7 | 8 | 7 | 6 | 7 | 7 | 3 | 3 | 3 | 3 | | |
| FISCHER 344 RATS FEMALE
2000 PPM
ANIMAL ID | | 0 | | |
| | | 0 | | |
| | | 2 | | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | |
| Hepatocyte, Vacuolization Cytoplasmic | | 2 | | | | | | | | | | | | 4 | | | | | | | | | | | | females
(cont...) | | |
| | | | | |
| Mesentery
Fat, Necrosis | | + | | | |
| | | 3 | | | |
| Pancreas
Atrophy
Metaplasia, Hepatocyte | | + | | | |
| | | 1 | | | |
| | | 1 | | | |
| Salivary Glands
Atrophy
Cyst | | + | | | |
| | | 1 | | | |
| | | 1 | | | |
| Stomach, Forestomach
Edema
Ulcer
Epithelium, Hyperplasia | | + | | | |
| | | 4 | | | |
| | | 4 | | | |
| | | 2 | | | |
| Stomach, Glandular
Edema
Erosion
Inflammation, Acute
Ulcer | | + | | | |
| | | 2 | | | |
| | | 1 | | | |
| | | 2 | | | |
| | | 2 | | | |

CARDIOVASCULAR SYSTEM

| |
|----------------|
| Heart | + |
| Cardiomyopathy | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | |

* .. 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

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TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
 Time Report Reqsted: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

| DAY ON TEST | 0 |
|-------------------------------------|
| | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 6 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| FISCHER 344 RATS FEMALE
2000 PPM | 3 | 4 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 9 | 6 | 3 | 3 | 8 | 3 | 2 | 3 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 6 | 7 | 1 | 6 | 6 | 3 | 3 | 3 | 3 | 8 | 6 | 7 | 7 | 4 | 7 | 8 | 7 | 6 | 7 | 7 | 3 | 3 | 3 | 3 | 3 | 3 |
| ANIMAL ID | 0 |
| | 0 |
| | 2 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 5 |
| females (cont...) |

ENDOCRINE SYSTEM

| | |
|--|---|
| Adrenal Cortex | + |
| Accessory Adrenal Cortical Nodule | | | | 2 | | 2 | | | | | | | | 2 | | | | | | | | | | | |
| Angiectasis | | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| Degeneration, Cystic | | | | | | | | | | | | | | | | | 3 | | | | 2 | | | | |
| Degeneration, Fatty | | | | | | | | | | 2 | | | | 2 | | | | | 2 | | | | | | |
| Hemorrhage | | | 2 | | | | | | | | 2 | | | | | | | | | | | | | | |
| Hyperplasia, Focal | | | 1 | | | | 2 | 3 | 2 | | | 2 | | 1 | 2 | | 2 | 1 | | 3 | | | | | |
| Hypertrophy | | 2 | | | |
| Vacuolization Cytoplasmic |
| Adrenal Medulla | + |
| Hyperplasia | | | | | | | | | | | | | | 2 | | | | | | | 2 | | | | |
| Islets, Pancreatic | + |
| Angiectasis, Focal | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| Hyperplasia | | 2 | | | |
| Parathyroid Gland | + |
| Pituitary Gland | + |
| Pars Distalis, Angiectasis | | | | | | | | | | | | | | | | | 2 | | | | | | | | |
| Pars Distalis, Cyst | | | | | | | | | | | | | 3 | 3 | | | | | | | | | 3 | | |
| Pars Distalis, Hyperplasia, Focal | | | | | | | | | | | | | 3 | | | | | | | | | 3 | | | |
| Pars Distalis, Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | 2 | | | | | | | | |
| Pars Distalis, Pigmentation | | | | | | | | | | | | | | | | | 1 | | | | | | | | |

* .. 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

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| DAY ON TEST | | 0 | 0 | |
|-------------------------------------|--|-------------------|
| | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 6 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 3 | 4 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 9 | 6 | 3 | 3 | 8 | 3 | 2 | 3 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 6 | 7 | 1 | 6 | 6 | 3 | 3 | 3 | 3 | 8 | 6 | 7 | 7 | 4 | 7 | 8 | 7 | 6 | 7 | 7 | 3 | 3 | 3 | 3 | |
| FISCHER 344 RATS FEMALE
2000 PPM | | |
| | | |
| | | |
| | | |
| | | |
| ANIMAL ID | | 0 | 0 | |
| | | 0 | 0 | |
| | | 2 | 2 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| | | females (cont...) | |

| |
|----------------------|
| Thyroid Gland | + |
| Ultimobranchial Cyst | | | | | 3 | | | | | | | | | | | | 3 | | | | | | | | |
| C-cell, Hyperplasia | 1 | | | | 2 | 1 | 3 | | 2 | | | | 1 | 2 | | 1 | 2 | | 1 | 2 | 2 | 2 | | 2 | 1 |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| |
|---------------------------|
| Clitoral Gland | + |
| Cyst | | | | | 3 | | 3 | | | | | | | | | | | | | | | | | | |
| Hyperplasia | | 3 | | | | 4 | | | | | | | | | | | | | | 2 | | | 3 | 2 | |
| Inflammation, Chronic | | | | | | | | 2 | 2 | | | | | 2 | | | | | | | | | | | |
| Ovary | + |
| Cyst | | 3 | | | | | 3 | | | | | | | | | | | | | | | | 3 | | |
| Uterus | + |
| Hyperplasia, Cystic | | | | 1 | | 2 | | 4 | 2 | 2 | | | 1 | 2 | | 3 | 1 | 1 | | 3 | 2 | | | 2 | 1 |
| Inflammation, Suppurative | |
| Inflammation, Chronic | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Vagina | | | | | | | | | | | + | | | | | + | | | | | | | | | |

HEMATOPOIETIC SYSTEM

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| DAY ON TEST | | 0 | 0 | |
|--|--|-------------------|
| | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 6 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 3 | 4 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 9 | 6 | 3 | 3 | 8 | 3 | 2 | 3 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 6 | 7 | 1 | 6 | 6 | 3 | 3 | 3 | 3 | 8 | 6 | 7 | 7 | 4 | 7 | 8 | 7 | 6 | 7 | 7 | 3 | 3 | 3 | 3 | 3 | |
| FISCHER 344 RATS FEMALE
2000 PPM | | 0 | 0 | |
| | | 0 | 0 | |
| | | 2 | 2 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 5 |
| ANIMAL ID | | females (cont...) | |
| | | |
| | | |
| | | |
| | | |
| Bone Marrow | | + | + | |
| Infiltration Cellular, Histiocyte | | |
| Myelofibrosis | | 1 |
| | | |
| Lymph Node | | |
| Mediastinal, Ectasia | | |
| Mediastinal, Hemorrhage | | |
| Mediastinal, Pigmentation, Hemosiderin | | |
| Pancreatic, Hemorrhage | | |
| | | |
| Lymph Node, Mandibular | | M | M | |
| Ectasia | | |
| | | |
| Lymph Node, Mesenteric | | + | + | |
| Pigmentation, Hemosiderin | | 2 |
| | | |
| Spleen | | + | + | |
| Fibrosis | | |
| Hematopoietic Cell Proliferation | | |
| Pigmentation | | 3 | 2 | 4 | 3 | | 3 | 2 | 3 | 2 | | 3 | 3 | 3 | | 3 | 4 | 2 | 3 | 3 | 1 | 3 | 3 | 3 | 4 | 3 | |
| Lymphoid Follicle, Hyperplasia | | 2 |
| | | |
| Thymus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + | + | + | + | |
| Atrophy | | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | | 3 | 3 | 3 | 3 | 4 | | 3 | | 3 | 3 | 2 | 3 | 3 | 3 | 3 | |

INTEGUMENTARY SYSTEM

| |
|---------------|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + |
|---------------|

* .. 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

Page 86

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| DAY ON TEST | | 0 |
|---------------------------|--|----------------------|
| | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 6 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 3 | 4 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 9 | 6 | 3 | 3 | 8 | 3 | 2 | 3 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 6 | 7 | 1 | 6 | 6 | 3 | 3 | 3 | 3 | 8 | 6 | 7 | 7 | 4 | 7 | 8 | 7 | 6 | 7 | 7 | 3 | 3 | 3 | 3 | 3 | 3 |
| FISCHER 344 RATS FEMALE | | 0 |
| ANIMAL ID | | 0 |
| 2000 PPM | | 2 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | females
(cont...) |
| Cyst
Hyperplasia | | 4 | | 4 | 3 | 4 | 3 | | | 2 | 4 | | 2 | 3 | 2 | 2 | 3 | 3 | | | 3 | 2 | 2 | 3 | 4 | 4 | |
| Skin | | + |
| Cyst Epithelial Inclusion | | |
| Hyperkeratosis | | |
| MUSCULOSKELETAL SYSTEM | | |
| Bone | | + |
| Osteopetrosis | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| NERVOUS SYSTEM | | |
| Brain | | + |
| Compression | | 3 | | 3 | | 4 | 4 | |
| Hemorrhage | | |
| Peripheral Nerve | | |
| Spinal Cord | | |
| RESPIRATORY SYSTEM | | |
| Lung | | + |
| Hemorrhage | | 2 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

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2) Mild 4) Marked

Page 87

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

| | | 0 | 0 |
|--|--|-------------------|
| DAY ON TEST | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 6 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 3 | 4 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 9 | 6 | 3 | 3 | 8 | 3 | 2 | 3 | 6 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 6 | 7 | 1 | 6 | 6 | 3 | 3 | 3 | 3 | 8 | 6 | 7 | 7 | 4 | 7 | 8 | 7 | 6 | 7 | 7 | 3 | 3 | 3 | 3 |
| | | |
| FISCHER 344 RATS FEMALE | | 0 | 0 |
| ANIMAL ID | | 0 | 0 |
| 2000 PPM | | 2 | 2 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |
| | | females (cont...) | |
| Kidney | | + | + |
| Cyst | | | | | 3 | |
| Nephropathy | | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 2 | | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 |
| Thrombosis | | |
| Transitional Epithelium, Mineralization, Focal | | |
| | | |
| Urinary Bladder | | + | + |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 1 | | | | |

* .. 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

Page 89

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

CHROMIUM PICOLINATE MONOHYDRATE

CAS Number: 27882-76-4

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Time Report Reqsted: 08:39:18

First Dose M/F: 08/12/02 / 08/12/02

Lab: SRI

| | | |
|---|--|----------|
| DAY ON TEST | | 0 | 0 | | |
| | | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 6 | 7 |
| | | 4 | 3 | 3 | 3 | 5 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 0 | 3 | 3 | 3 | 3 | 6 | 4 | 3 | 6 | 3 |
| | | 6 | 6 | 6 | 6 | 2 | 6 | 6 | 0 | 6 | 6 | 6 | 6 | 6 | 8 | 6 | 7 | 3 | 3 | 3 | 3 | 6 | 7 | 7 | 6 | 7 |
| | | |
| FISCHER 344 RATS FEMALE

2000 PPM | | 0 | 0 | |
| | | 0 | 0 | |
| | | 2 | 2 | 3 |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | * TOTALS | |

ALIMENTARY SYSTEM

[illegible]

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

1. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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Page 90

1-4 .. Lesion qualified as:

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TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
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 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

| DAY ON TEST | | 0 | 0 | |
|--|--|----------|
| | | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 6 | 7 | |
| | | 4 | 3 | 3 | 3 | 5 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 0 | 3 | 3 | 3 | 3 | 6 | 4 | 3 | 6 | 3 |
| | | 6 | 6 | 6 | 6 | 2 | 6 | 6 | 0 | 6 | 6 | 6 | 6 | 6 | 8 | 6 | 7 | 3 | 3 | 3 | 3 | 6 | 7 | 7 | 6 | 7 |
| | | |
| FISCHER 344 RATS FEMALE
2000 PPM
ANIMAL ID | | 0 | 0 | |
| | | 0 | 0 | |
| | | 2 | 2 | 3 | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | * TOTALS | |

ENDOCRINE SYSTEM

| | | | |
|--|----|----|-----|
| Adrenal Cortex | + | 50 | | |
| Accessory Adrenal Cortical Nodule | 2 | | 2 | | | | | | | | 2 | 2 | | | | | | 1 | 1 | | | | | | 2 | 10 | 1.8 |
| Angiectasis | | 1 | 3.0 |
| Degeneration, Cystic | | | | | | | | | | 2 | | | | | | | | | | | | | | | | 3 | 2.3 |
| Degeneration, Fatty | 2 | | | | | | | | | | | | | | | 3 | | | | | | | | | | 5 | 2.2 |
| Hemorrhage | | 1 | | | | | 3 | 1.7 |
| Hyperplasia, Focal | | | | | | | | 2 | | | 1 | | 1 | | | | 1 | | 1 | 1 | 2 | 2 | 2 | 1 | | 20 | 1.7 |
| Hypertrophy | 3 | | | | | | | | 1 | 2 | | | | | | | | 1 | | | | | | | | 5 | 1.8 |
| Vacuolization Cytoplasmic | | | | | | 4 | | | | 2 | | | | | | | | | | | | | | | | 2 | 3.0 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | 1 | | | 1 | | | | 4 | 1.5 |
| Islets, Pancreatic | + | 50 | | |
| Angiectasis, Focal | | 1 | 1.0 |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | 2 | | | | | | 2 | 2.0 |
| Parathyroid Gland | + | M | + | + | 49 | | |
| Pituitary Gland | + | 50 | | |
| Pars Distalis, Angiectasis | | 1 | 2.0 |
| Pars Distalis, Cyst | | | | 3 | | | | | | | | | | | | | | | | 3 | | | 3 | | | 8 | 3.0 |
| Pars Distalis, Hyperplasia, Focal | | | | | | | 3 | | | | | | 3 | | | | | | 2 | | 3 | | | 2 | | 7 | 2.7 |
| Pars Distalis, Infiltration Cellular, Mononuclear Cell | | 1 | 2.0 |
| Pars Distalis, Pigmentation | | 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

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
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Time Report Reqsted: 08:39:18
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Lab: SRI

| DAY ON TEST | | 0 | 0 | |
|-------------------------------------|--|----------|
| | | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | |
| | | 4 | 3 | 3 | 3 | 5 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 0 | 3 | 3 | 3 | 3 | 6 | 4 | 3 | 6 | 3 | 6 |
| | | 6 | 6 | 6 | 6 | 2 | 6 | 6 | 0 | 6 | 6 | 6 | 6 | 6 | 8 | 6 | 7 | 3 | 3 | 3 | 3 | 6 | 7 | 7 | 6 | 7 | 7 |
| | | |
| FISCHER 344 RATS FEMALE
2000 PPM | | 0 | 0 |
| | | 0 | 0 |
| | | 2 | 2 | 3 | 3 |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 |
| | | * TOTALS | |

| | |
|---------------------|--------|
| Thyroid Gland | + | 50 |
| Ultimobranhial Cyst | | | | 3 | | | | | | | | | | | | | | 3 | 3 | | | | | | | | 5 3.0 |
| C-cell, Hyperplasia | | 1 | 1 | 1 | | 1 | | | | 1 | 3 | 1 | | | 1 | | 1 | 2 | 1 | 2 | | | | 1 | 1 | | 29 1.5 |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| | |
|---------------------------|--------|
| Clitoral Gland | + | 50 |
| Cyst | | | | | | | | | | | 3 | | | | | | | 3 | | | | | 3 | | | | 5 3.0 |
| Hyperplasia | | | 2 | | | 4 | | | | | | | 2 | | 3 | | | 1 | | | | | | | | | 10 2.6 |
| Inflammation, Chronic | | | | | | | | | 2 | | 2 | | | | | | | | | | | | | | | | 5 2.0 |
| Ovary | + | 50 |
| Cyst | | | | | | 3 | | | | | | | | | 3 | | | | | | | | | | | | 5 3.0 |
| Uterus | + | 50 |
| Hyperplasia, Cystic | 2 | 1 | | 1 | | | 2 | 2 | 4 | 2 | 1 | 1 | 1 | | 1 | 2 | | 1 | | 1 | | | | | 1 | | 30 1.7 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | 1 3.0 |
| Inflammation, Chronic | 1 1.0 |
| Vagina | | | | | + | | | + | | | | | | | | + | | | | | | | | + | | | 6 |

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

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2) Mild 4) Marked

Page 93

Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SR|

INTEGUMENTARY SYSTEM

[illegible]

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Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

[illegible]

2) Mild 4) Marked

TDMS No. 99027 - 03
 Test Type: CHRONIC
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 Species/Strain: RATS/F 344

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 Lab: SRI

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|--|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | 0 | 0 | |
| | | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 4 | 6 | 7 | 7 | 7 | 7 | |
| | | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 6 | 3 | 3 | 3 | 3 | |
| | | 0 | 6 | 6 | 6 | 6 | 4 | 3 | 6 | 3 | 3 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 2 | 4 | 9 | 7 | 7 | 7 | 7 | |
| | | | | | | | | | | | | | | | | | | | | | |
| FISCHER 344 RATS FEMALE | | 0 | 0 | |
| 10000 PPM | | 0 | 0 | |
| ANIMAL ID | | 3 | 3 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | |
| | | | | | | | | | | | | | | | | | | | | | |
| Hepatocyte, Vacuolization Cytoplasmic | | | | | | | 2 | | | | | 3 | | | | | 2 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | + | | | | | + | | | | | | | | | | + | | | | | + | | | | | | | | | | | | | | | | | | | |
| Accessory Spleen | | | | | | | | | | | | | | | | | | | | | |
| Fibrosis | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| Fat, Necrosis | | 3 | | | | | | | | | | | | | | | 1 | | | | | 3 | | | | | 4 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| Oral Mucosa | | | | | | | + | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | | + | + | | |
| Atrophy | | 1 | 1 | 3 | 1 | 1 | | 3 | | | | | | | | 1 | 3 | 2 | 2 | 1 | | | | 1 | 1 | | |
| Acinus, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | | + | + | | |
| Atrophy | | 2 | | | 1 | | | 1 | | 1 | | | | 1 | | | | 1 | | | 1 | | 1 | 1 | 1 | | |
| Vacuolization Cytoplasmic | | | | | | | 3 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | | + | + | | |
| Ulcer | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | | + | + | | |
| Erosion | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| Tongue | | | | | | | | | | | | | | | | | + | | | | | | | | | | |
| Hyperkeratosis | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | |

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

Page 100

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | | |
|---|--|---|
| DAY ON TEST | | 0 | |
| | | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 4 | 6 | 7 | 7 | 7 | 7 | |
| | | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 6 | 3 | 3 | 3 | 3 | |
| | | 0 | 6 | 6 | 6 | 6 | 4 | 3 | 6 | 3 | 3 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 2 | 4 | 9 | 7 | 7 | 7 | |
| FISCHER 344 RATS FEMALE
10000 PPM
ANIMAL ID | | 0 | |
| | | 0 | |
| | | 3 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| Hemorrhage
Pars Distalis, Angiectasis
Pars Distalis, Cyst
Pars Distalis, Hyperplasia, Focal
Pars Intermedia, Angiectasis
Pars Intermedia, Cyst
Rathke's Cleft, Hemorrhage | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Thyroid Gland
C-cell, Hyperplasia | | + | | |
| | | 1 | 1 | | 1 | | 2 | | 2 | 1 | | 1 | | 2 | | 1 | 1 | | | | | 1 | 1 | | 2 | |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| |
|-----------------------|
| Clitoral Gland | + |
| Cyst |
| Hyperplasia |
| Inflammation, Chronic | |
| Ovary | + |
| Cyst |
| Uterus | + |
| Hyperplasia, Cystic |
| Inflammation, Chronic | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. 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

Page 101

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | | | |
|---|--|-------------------|--|
| DAY ON TEST | | 0 | 0 | |
| | | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 4 | 6 | 7 | 7 | 7 | 7 | |
| | | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 6 | 3 | 3 | 3 | 3 | |
| | | 0 | 6 | 6 | 6 | 6 | 4 | 3 | 6 | 3 | 3 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 2 | 4 | 9 | 7 | 7 | 7 | |
| FISCHER 344 RATS FEMALE
10000 PPM
ANIMAL ID | | 0 | 0 | | |
| | | 0 | 0 | | |
| | | 3 | 3 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | |
| Vagina | | + | |
| | | females (cont...) | |

HEMATOPOIETIC SYSTEM

| |
|------------------------------------|
| Bone Marrow | + |
| Myelofibrosis | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| Lymph Node | | | | + | | + | | + | | | + | | | + | | + | | | | | | | | | |
| Mediastinal, Ectasia | | | | | | 4 | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Hemorrhage | | | | 2 | | 2 | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Hyperplasia, Lymphoid | | | | 3 | |
| Pancreatic, Ectasia |
| Pancreatic, Hemorrhage |
| Pancreatic, Hyperplasia, Lymphoid | |
| Lymph Node, Mandibular | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | + | M | M | M | M | M |
| Ectasia | 2 | | | | | |
| Lymph Node, Mesenteric | + |
| Ectasia |
| Hyperplasia, Reticulum Cell | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| Spleen | + |
| Fibrosis | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| Hemorrhage |
| Hyperplasia, Lymphoid, Focal |
| Pigmentation | 3 | 4 | 4 | 3 | 2 | 4 | 2 | | 4 | 3 | 1 | 2 | 3 | | 4 | 1 | 3 | 4 | 2 | 2 | 4 | 3 | 2 | 3 | 3 |
| Lymphoid Follicle, Hyperplasia | | | | | | | | | | | | | 1 | | 2 | | | | 2 | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. 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

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TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| DAY ON TEST | | 0 | 0 |
|--------------------------------------|--|-----------|
| | | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 4 | 6 | 7 | 7 | 7 | 7 |
| | | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 6 | 3 | 3 | 3 | 3 |
| | | 0 | 6 | 6 | 6 | 6 | 4 | 3 | 6 | 3 | 3 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 2 | 4 | 9 | 7 | 7 | 7 |
| | | |
| FISCHER 344 RATS FEMALE
10000 PPM | | ANIMAL ID | 0 |
| | | | 0 |
| | | | 3 |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
| females (cont...) | | |

| |
|---------|
| Thymus | + |
| Atrophy | 3 | 3 | 3 | 3 | 3 | | 4 | 4 | 3 | 3 | 4 | 3 | 4 | | 3 | 3 | 3 | 3 | | 4 | 4 | 3 | 3 | 3 | 3 |
| Cyst | 3 | | | |

INTEGUMENTARY SYSTEM

| |
|---------------------------|
| Mammary Gland | + |
| Hyperplasia | | | | 2 | 2 | 4 | | 2 | 3 | 4 | | 2 | 2 | 4 | 2 | 3 | 4 | | 2 | | 2 | 3 | 2 | 4 | |
| Skin | + |
| Cyst Epithelial Inclusion | X | | | | X | | | | | X | | | | | | | | | | | | | | | |
| Fibrosis |
| Inflammation, Chronic |
| Ulcer |

MUSCULOSKELETAL SYSTEM

| |
|------|
| Bone | + |
|------|

NERVOUS SYSTEM

| |
|-------------|
| Brain | + |
| Compression | 2 | | | | | 4 | | | | | | | | | | | | | | 4 | | 2 | 2 | | |
| Hemorrhage | 2 | | | | | |

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | | | |
|---|--|-------------------|--|
| DAY ON TEST | | 0 | 0 | | |
| | | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 4 | 6 | 7 | 7 | 7 | | |
| | | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 6 | 3 | 3 | 3 | | |
| | | 0 | 6 | 6 | 6 | 6 | 4 | 3 | 6 | 3 | 3 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 2 | 4 | 9 | 7 | 7 | | |
| | | | |
| FISCHER 344 RATS FEMALE
10000 PPM
ANIMAL ID | | 0 | 0 | | |
| | | 0 | 0 | | |
| | | 3 | 3 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | |
| | | females (cont...) | |

Peripheral Nerve +

Spinal Cord +

RESPIRATORY SYSTEM

| |
|-----------------------------------|
| Lung | + |
| Hemorrhage | | | | | | | | | | | | | | | | | | | 2 | | | | | |
| Infiltration Cellular, Histiocyte | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | 2 |
| Inflammation, Chronic | | | | | | | | 1 | | | | | | | | | | | | | | | | 1 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | 2 | | | | | | |
| Alveolar Epithelium, Hyperplasia | | | 1 | | | 2 | | | | | 1 | | | | | | 1 | | | | | | | |
| Nose | + |
| Inflammation, Chronic | | | | | | | | | 1 | | | | | | | | | | | | | | | 2 |
| Turbinate, Dysplasia |
| Trachea | + |

SPECIAL SENSES SYSTEM

| |
|----------------------|
| Ear |
| Eye | + |
| Cataract |
| Retina, Degeneration | |

* .. 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

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TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | | |
|--------------------------------------|--|---|
| DAY ON TEST | | 0 |
| | | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 4 | 6 | 7 | 7 | 7 | 7 |
| | | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 6 | 3 | 3 | 3 | 3 |
| | | 0 | 6 | 6 | 6 | 6 | 4 | 3 | 6 | 3 | 3 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 2 | 4 | 9 | 7 | 7 | 7 |
| FISCHER 344 RATS FEMALE | | 0 |
| ANIMAL ID | | 0 |
| 10000 PPM | | 3 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |
| Harderian Gland | | + |
| Hyperplasia, Focal | | 1 | | | | |
| URINARY SYSTEM | | |
| Kidney | | + |
| Infarct, Chronic | | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| Nephropathy | | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | | 1 | 2 | 1 | 1 | 1 | 1 | 1 | | 1 | 2 | 1 | 1 | 1 |
| Papilla, Inflammation, Suppurative | | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| Renal Tubule, Hyperplasia | | |
| Transitional Epithelium, Hyperplasia | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Urinary Bladder | | + |
| Edema | | | | | | | | | | | | | | 1 | | | | | | | | | | | |

* .. 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

Page 105

Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

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

Page 107

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

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Species/Strain: RATS/F 344

CAS Number: 27882-76-4

Lab: SRI

Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SR|

2) Mild 4) Marked

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| DAY ON TEST | | 0 | 0 | |
|---|--|----------|
| | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | |
| | | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 5 | 3 | 3 | 5 | 3 | 3 | 3 | 0 | 3 | 3 | 6 | 3 | 3 | 3 | 6 | |
| | | 6 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 8 | 4 | 6 | 6 | 3 | 6 | 6 | 6 | 7 | 6 | 6 | 9 | 6 | 6 | 6 | 9 | |
| FISCHER 344 RATS FEMALE
10000 PPM
ANIMAL ID | | 0 | 0 | |
| | | 0 | 0 | |
| | | 3 | 3 | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | * TOTALS | |

| | |
|---------|--------|
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | 49 |
| Atrophy | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | | 3 | | 3 | 3 | 3 | 3 | 45 3.2 |
| Cyst | 1 3.0 |

INTEGUMENTARY SYSTEM

| | |
|---------------------------|--------|
| Mammary Gland | + | 50 |
| Hyperplasia | 2 | 2 | | | | 3 | | 3 | | 3 | 1 | 3 | 1 | 4 | | 2 | | | 4 | 2 | 2 | | 2 | 2 | 4 | 33 2.6 |
| Skin | + | 50 |
| Cyst Epithelial Inclusion | | 3 |
| Fibrosis | 4 | | 1 4.0 |
| Inflammation, Chronic | 1 | | | | | | | | | | | | | | | | | | 2 | | | | | | | 2 1.5 |
| Ulcer | | | | | | | | | | 3 | | | | | | | | | | | | | | | | 1 3.0 |

MUSCULOSKELETAL SYSTEM

| | |
|------|----|
| Bone | + | 50 |
|------|----|

NERVOUS SYSTEM

| | |
|-------------|--------|
| Brain | + | 50 |
| Compression | | | | 1 | | | 4 | | 4 | | | | | | | | | 4 | | | 4 | | | | 3 | 11 3.1 |
| Hemorrhage | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 2 1.5 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. 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

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TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| DAY ON TEST | 0 |
|---|----------|
| | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 6 |
| FISCHER 344 RATS FEMALE
10000 PPM
ANIMAL ID | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 5 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 6 | 3 | 3 | 3 | 6 | 6 |
| | 6 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 8 | 4 | 6 | 6 | 3 | 6 | 6 | 6 | 6 | 7 | 6 | 6 | 9 | 6 | 6 | 6 | 9 | 9 |
| | 0 |
| | 0 |
| | 3 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | * TOTALS |

| | | |
|------------------|---|-----|
| Peripheral Nerve | + | + 3 |
| Spinal Cord | + | + 3 |

RESPIRATORY SYSTEM

| | | |
|-----------------------------------|----|--------|
| Lung | + | 50 | |
| Hemorrhage | | 1 2.0 |
| Infiltration Cellular, Histiocyte | 1 | 1 | | 1 | 1 | | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 47 1.1 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | 3 1.3 |
| Metaplasia, Osseous | | 1 2.0 |
| Alveolar Epithelium, Hyperplasia | | | | 1 | | | | | | | | | | 2 | | | | | | | | | | | | | 6 1.3 |
| Nose | + | 50 | |
| Inflammation, Chronic | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | 3 1.7 |
| Turbinate, Dysplasia | | | | | | | | | | 4 | | | | | | | | | | | | | | | | | 1 4.0 |
| Trachea | + | 50 | |

SPECIAL SENSES SYSTEM

| | | |
|----------------------|----|-------|
| Ear | + | | 1 | |
| Eye | + | 50 | |
| Cataract | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | 1 4.0 |
| Retina, Degeneration | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | 1 4.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. 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

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Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SR|

[illegible]

2) Mild 4) Marked

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
 Time Report Reqsted: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

| | | 0 | 0 |
|--------------------------------------|-----------|-------------------|
| DAY ON TEST | | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 |
| | | 2 | 2 | 6 | 2 | 0 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 7 | 3 | 9 | 3 | 3 | 3 | 3 | 4 | 3 | 3 |
| | | 9 | 9 | 9 | 9 | 4 | 7 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 5 | 7 | 0 | 7 | 7 | 6 | 6 | 6 | 6 | 6 |
| | | |
| FISCHER 344 RATS FEMALE
50000 PPM | ANIMAL ID | 0 | 0 |
| | | 0 | 0 |
| | | 3 | 3 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| | | females (cont...) | |

ALIMENTARY SYSTEM

| |
|-----------------------------------|
| Esophagus | + |
| Infiltration Cellular, Lymphocyte | |
| Intestine Large, Cecum | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Liver | + |
| Angiectasis |
| Basophilic Focus | X | X | X | X | | X | X | X | X | X | | X | X | X | X | X | | X | X | X | X | X | X | X | X |
| Clear Cell Focus | | | | X | | | | X | X | | | X | X | | X | | | | X | | | X | | | |
| Eosinophilic Focus | X | | | | | |
| Hepatodiaphragmatic Nodule |
| Infiltration Cellular, Lymphocyte | |
| Inflammation, Chronic |
| Mixed Cell Focus |
| Necrosis, Focal |
| Thrombosis |

* .. 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

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

| | DAY ON TEST | |
|---------------------------------------|-------------|
| | 0 | 0 |
| FISCHER 344 RATS FEMALE
50000 PPM | ANIMAL ID |
| | 0 | 0 |
| | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 |
| | 2 | 2 | 6 | 2 | 0 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 7 | 3 | 9 | 3 | 3 | 3 | 3 | 4 | 3 | 3 |
| | 9 | 9 | 9 | 9 | 4 | 7 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 5 | 7 | 0 | 7 | 7 | 6 | 6 | 6 | 6 | 6 |
| | 0 | 0 |
| | 0 | 0 |
| | 3 | 3 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| Bile Duct, Hyperplasia | | | | | 4 | | | | | | | | | | | | | 2 | | | | | | | |
| Centrilobular, Necrosis | | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| Hepatocyte, Vacuolization Cytoplasmic | | | | | 2 | | | 2 | | | | | | | | | | | | | | | | | |
| Mesentery | |
| Accessory Spleen | |
| Fat, Necrosis | |
| Pancreas | |
| Atrophy | |
| Necrosis | |
| Acinus, Hyperplasia, Focal | | | | | 2 | |
| Salivary Glands | |
| Atrophy | |
| Stomach, Forestomach | |
| Edema | |
| Erosion | |
| Ulcer | |
| Epithelium, Hyperplasia | |
| Stomach, Glandular | |
| Erosion | |
| Tongue | |
| Epithelium, Hyperplasia | |

* .. 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

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | | |
|---|--|----------------------|
| DAY ON TEST | | 0 | | |
| | | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | | 7 |
| | | 2 | 2 | 6 | 2 | 0 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 7 | 3 | 9 | 3 | 3 | 3 | 3 | 4 | 3 | | 3 |
| | | 9 | 9 | 9 | 9 | 4 | 7 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 5 | 7 | 0 | 7 | 7 | 6 | 6 | 6 | | 6 |
| | | |
| FISCHER 344 RATS FEMALE
50000 PPM
ANIMAL ID | | 0 | females
(cont...) |
| | | 0 | |
| | | 3 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | |

CARDIOVASCULAR SYSTEM

| |
|----------------|
| Heart | + |
| Cardiomyopathy | 1 | 1 | 2 | 1 | | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 |

ENDOCRINE SYSTEM

| |
|-----------------------------------|
| Adrenal Cortex | + |
| Accessory Adrenal Cortical Nodule | 2 | | | 1 | | | | 1 | 1 | | | | | | | | | 2 | | | | | | | |
| Degeneration, Fatty | | | | | 2 | | | 2 | | | | | | | | | | | | | | 2 | | | |
| Hyperplasia, Focal | | 2 | | | | | 4 | | | 1 | 1 | | | | 1 | | | 2 | 2 | | | 2 | 1 | | |
| Hypertrophy | | | 2 | | | | | | 2 | | | | | | | | 2 | | | | | | | 1 | |
| Necrosis |
| Vacuolization Cytoplasmic |
| |
| Adrenal Medulla | + |
| Hyperplasia | | | | | 2 | |
| |
| Islets, Pancreatic | + |
| Hyperplasia | | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | M | M | M | + | + | M | M |
| |
| Pituitary Gland | + |
| Hemorrhage | | | | | | 3 | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Angiectasis | | 3 | |
| Pars Distalis, Cyst | | 3 | | 3 | | | | | 3 | | | | | | | | | 3 | 3 | | | | | | 3 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. 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

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TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| DAY ON TEST | 0 |
|--|---|
| | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 |
| | 2 | 2 | 6 | 2 | 0 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 7 | 3 | 9 | 3 | 3 | 3 | 3 | 4 | 3 | 3 |
| | 9 | 9 | 9 | 9 | 4 | 7 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 5 | 7 | 0 | 7 | 7 | 6 | 6 | 6 | 6 | 6 |
| | |
| FISCHER 344 RATS FEMALE
50000 PPM
ANIMAL ID | 0 |
| | 0 |
| | 3 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| females (cont...) | |
| Pars Distalis, Hyperplasia, Focal
Pars Intermedia, Cyst | 1 | | | | | | 3 | | 2 | 3 | | | | | 3 | | | | 3 | | | | | 2 | |
| | |
| Thyroid Gland
C-cell, Hyperplasia | + |
| | 1 | | | | | | 1 | | | | 1 | | 1 | | | | | 1 | | 1 | 1 | | | 1 | |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| | |
|---|---|
| Clitoral Gland
Cyst
Hyperplasia
Inflammation, Chronic | + |
| | | | | | | | | | | 3 | 3 | | | | | | 3 | | | | | | | | |
| | 2 | | | | | | | 2 | | | | | | | 2 | | | | | | | | | | |
| | | 1 | |
| Ovary
Cyst | + |
| | 3 | 3 | | | | | | | | | | | | | | 3 | | | | | | | | 3 | 3 |
| Uterus
Angiectasis
Hyperplasia, Cystic
Inflammation, Suppurative | + |
| | | | 3 | |
| | 1 | 1 | | | 2 | 4 | | 1 | | 1 | 4 | | | | 4 | | 1 | | | | | | | 2 | |
| | 3 | |
| Vagina
Inflammation | + | |

* .. 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

Page 117

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | |
|---|---|
| DAY ON TEST | 0 |
| | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 0 |
| | 2 | 2 | 6 | 2 | 0 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 7 | 3 | 9 | 3 | 3 | 3 | 3 | 4 | 3 | 3 |
| | 9 | 9 | 9 | 9 | 4 | 7 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 5 | 7 | 0 | 7 | 7 | 6 | 6 | 6 | 6 | 6 |
| | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
50000 PPM | 0 |
| | 0 |
| | 3 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| females (cont...) |

HEMATOPOIETIC SYSTEM

| |
|------------------------------------|
| Bone Marrow | + |
| Lymph Node | | | | + | + | + | | | | | | | | | | | + | | | | | | + | | |
| Mediastinal, Ectasia | 2 | |
| Mediastinal, Hyperplasia | | | | 2 | |
| Mediastinal, Hyperplasia, Lymphoid | |
| Pancreatic, Hemorrhage | | | | | | | | | | | | | | | | | 2 | | | | | | | | |
| Pancreatic, Hyperplasia, Lymphoid | | | | | 4 | |
| Pancreatic, Pigmentation | | | | | | | | | | | | | | | | | 2 | | | | | | | | |
| Lymph Node, Mandibular | M |
| Lymph Node, Mesenteric | + |
| Spleen | + | M |
| Hematopoietic Cell Proliferation | 3 | | 4 | | |
| Hyperplasia, Lymphoid, Focal |
| Infarct | | | | | 4 | |
| Pigmentation | 3 | 3 | 4 | 3 | | 3 | 3 | | 3 | 3 | | 3 | 4 | 3 | 3 | 3 | 4 | | 3 | 2 | 3 | 4 | 2 | 2 | |
| Thrombosis | | | | | 2 | |
| Lymphoid Follicle, Hyperplasia | | | | 2 | | | | | | | | 2 | | | | | 2 | | | 2 | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + | + |
| Atrophy | 3 | 3 | 3 | 3 | | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | | | 3 | | 4 | 3 | 3 | 4 | 4 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. 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

Page 118

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | | | |
|---|--|----------------------|---|
| DAY ON TEST | | 0 | females
(cont...) | |
| | | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | | 7 |
| | | 2 | 2 | 6 | 2 | 0 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 7 | 3 | 9 | 3 | 3 | 3 | 4 | 3 | | 3 |
| | | 9 | 9 | 9 | 9 | 4 | 7 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 5 | 7 | 0 | 7 | 7 | 6 | 6 | 6 | | 6 |
| FISCHER 344 RATS FEMALE
ANIMAL ID
50000 PPM | | 0 | females
(cont...) | |
| | | 0 | | 0 |
| | | 3 | | 3 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | | 7 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | | 4 |

INTEGUMENTARY SYSTEM

| |
|------------------------------|
| Mammary Gland | + | |
| Cyst |
| Hyperplasia | 2 | 3 | 1 | | 2 | 2 | 3 | | 2 | 2 | 4 | 2 | 3 | | 4 | 2 | 4 | | 2 | 3 | 4 | 4 | | 2 | 2 |
| Skin | + | |
| Hyperkeratosis | 4 | | | |
| Inflammation, Chronic | | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | |
| Ulcer | | | | | | | | | | | | 3 | | | | | | | | | | | | | |
| Epidermis, Hyperplasia | | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| Sebaceous Gland, Hyperplasia | |

MUSCULOSKELETAL SYSTEM

| |
|------|
| Bone | + |
|------|

NERVOUS SYSTEM

| |
|------------------|
| Brain | + |
| Compression | | | | | 2 | | | 3 | | | 4 | | | | | 4 | | | | | | | | |
| Hemorrhage | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 |
| Peripheral Nerve | |
| Spinal Cord |

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

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Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

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

Page 121

Date Report Requested: 03/16/2007
Time Report Requested: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

| | DAY ON TEST | |
|---------------------------------------|-------------|----------|
| | 0 | 0 |
| FISCHER 344 RATS FEMALE
50000 PPM | ANIMAL ID | |
| | 0 | 0 |
| | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 |
| | 3 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 0 |
| | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 3 | 7 | 6 | 9 | 6 | 6 | 6 | 7 | 7 | 7 | 3 | 7 | 5 | 6 | 6 | 4 |
| | 0 | 0 |
| | 0 | 0 |
| | 3 | 3 | 4 |
| | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | * TOTALS |
| Bile Duct, Hyperplasia | | 2 3.0 |
| Centrilobular, Necrosis | | 1 2.0 |
| Hepatocyte, Vacuolization Cytoplasmic | | 5 2.6 |
| Mesentery | | 13 |
| Accessory Spleen | | 2 |
| Fat, Necrosis | | 12 2.3 |
| Pancreas | | 50 |
| Atrophy | | 26 1.3 |
| Necrosis | | 1 3.0 |
| Acinus, Hyperplasia, Focal | | 1 2.0 |
| Salivary Glands | | 50 |
| Atrophy | | 16 1.1 |
| Stomach, Forestomach | | 50 |
| Edema | | 2 1 2.0 |
| Erosion | | 1 2.0 |
| Ulcer | | 2 3.5 |
| Epithelium, Hyperplasia | | 1 2.0 |
| Stomach, Glandular | | 50 |
| Erosion | | 2 1.0 |
| Tongue | | 2 |
| Epithelium, Hyperplasia | | 2 2.0 |

* .. 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

Page 123

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | | |
|---|--|----------|
| DAY ON TEST | | 0 | | |
| | | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | | |
| | | 3 | 3 | 8 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 0 | | |
| | | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 3 | 7 | 6 | 9 | 6 | 6 | 6 | 7 | 7 | 7 | 3 | 7 | 5 | 6 | 6 | 6 | 4 | |
| | | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
50000 PPM | | 0 | | |
| | | 0 | | |
| | | 3 | 4 | | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS |

HEMATOPOIETIC SYSTEM

| | |
|------------------------------------|--------|
| Bone Marrow | + | 50 |
| | |
| Lymph Node | | | | + | | | | | | | | | | | | | | + | | | | | | | | 7 |
| Mediastinal, Ectasia | 1 2.0 |
| Mediastinal, Hyperplasia | 1 2.0 |
| Mediastinal, Hyperplasia, Lymphoid | | | | | 2 | | 1 2.0 |
| Pancreatic, Hemorrhage | 1 2.0 |
| Pancreatic, Hyperplasia, Lymphoid | 1 4.0 |
| Pancreatic, Pigmentation | 1 2.0 |
| | |
| Lymph Node, Mandibular | M | 0 |
| | |
| Lymph Node, Mesenteric | + | 50 |
| | |
| Spleen | + | 49 |
| Hematopoietic Cell Proliferation | 2 3.5 |
| Hyperplasia, Lymphoid, Focal | 3 | | | | 1 3.0 |
| Infarct | 1 4.0 |
| Pigmentation | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 2 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 1 | 3 | 4 | | 3 | 4 | 4 | 44 3.1 |
| Thrombosis | 1 2.0 |
| Lymphoid Follicle, Hyperplasia | | | 2 | | | | | | | | | | | | | | | | | 2 | | | | | | 6 2.0 |
| | |
| Thymus | + | 48 |
| Atrophy | 4 | 3 | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 45 3.2 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. 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

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TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| DAY ON TEST | | 0 | 0 | |
|---|--|----------|
| | | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | |
| | | 3 | 3 | 8 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 0 | |
| | | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 3 | 7 | 6 | 9 | 6 | 6 | 6 | 7 | 7 | 7 | 3 | 7 | 5 | 6 | 6 | 4 | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
50000 PPM | | 0 | 0 | |
| | | 0 | 0 | |
| | | 3 | 3 | 4 | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | * TOTALS | |

RESPIRATORY SYSTEM

| | |
|-----------------------------------|--------|
| Lung | + | 50 |
| Congestion | | | | | | | | | 2 | | | | | | | | | | | | | | | | | 1 2.0 |
| Foreign Body | 2 2.0 |
| Hemorrhage | 4 1.8 |
| Hyperplasia, Lymphoid | 1 2.0 |
| Infiltration Cellular, Histiocyte | 1 | 1 | 1 | 1 | | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 46 1.0 |
| Inflammation, Chronic | | | 1 | | | | | 1 | | 1 | | | | 1 | | | | | | | | | | | | 8 1.4 |
| Thrombosis | 1 1.0 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | 1 | | | | | | | | | 2 | | | | | | | | | 4 2.0 |
| Nose | + | 50 |
| Foreign Body | 2 | | 1 2.0 |
| Inflammation, Chronic | 2 | | 3 2.3 |
| Nasolacrimal Duct, Cyst | 1 3.0 |
| Trachea | + | 50 |

SPECIAL SENSES SYSTEM

| | |
|-----------------------|-------|
| Eye | + | 50 |
| Cataract | 2 | | | | | 2 3.0 |
| Inflammation, Chronic | | 1 2.0 |
| Cornea, Hyperplasia | 1 1.0 |
| Retina, Degeneration | 1 4.0 |

* .. 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

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TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
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CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

| | |
|---|----|
| DAY ON TEST | 0 |
| | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 |
| | 3 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 0 | |
| | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 3 | 7 | 6 | 9 | 6 | 6 | 6 | 7 | 7 | 7 | 3 | 7 | 5 | 6 | 6 | 6 | 4 |
| | |
| FISCHER 344 RATS FEMALE
50000 PPM
ANIMAL ID | 0 |
| | 0 |
| | 3 | 4 |
| | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| * TOTALS | |
| Harderian Gland | + | 50 |

URINARY SYSTEM

| | |
|-----------------------------------|--------|
| Kidney | + | 50 |
| Infiltration Cellular, Lymphocyte | | 1 2.0 |
| Nephropathy | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 50 1.2 |
| Renal Tubule, Hyperplasia | 2 1.0 |
| | |
| Urinary Bladder | + | 50 |
| Edema | 1 3.0 |

*** END OF REPORT ***