

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Reqsted: 10/04/2007
Time Report Reqsted: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

F2_R2

C Number: C20114
Lock Date: 10/04/2005
Cage Range: ALL
Date Range: ALL
Reasons For Removal: 25021 TSAC
Removal Date Range: ALL
Treatment Groups: Include ALL
TDMSE Version: 1.8.0

25020 NATD

25019 MSAC

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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	
		6	7	6	7	7	6	5	6	7	6	7	7	7	7	6	7	7	7	7	6	7	7	6	7	6
		1	3	6	3	3	3	2	8	3	8	3	3	3	3	7	3	3	3	3	9	2	3	7	1	9
		7	1	6	1	1	9	0	7	1	9	0	0	0	0	7	0	0	0	0	6	1	0	9	5	6
FISCHER 344 RATS MALE 0 MG/L																										
		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	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	males (cont...)
		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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+
Intestine Large, Cecum	+	+	A	+	+	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																									
Intestine Large, Colon	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear			X																						
Intestine Small, Ileum	+	+	A	+	+	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear	X															X							X		
Intestine Small, Jejunum	+	+	A	+	+	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																X							X		
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear	X	X	X		X		X		X	X					X	X		X		X	X		X		X
Mesentery	+								+	+					+	+	+								

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		6	7	6	7	7	6	5	6	7	6	7	7	7	7	6	7	7	7	7	6	7	7	6	7	6		
		1	3	6	3	3	3	2	8	3	8	3	3	3	3	7	3	3	3	3	9	2	3	7	1	9		
		7	1	6	1	1	9	0	7	1	9	0	0	0	0	7	0	0	0	0	6	1	0	9	5	6		
FISCHER 344 RATS MALE 0 MG/L		ANIMAL ID																										
				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	0	0	1	1	1	1	1	1	1	1	1	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	males (cont...)	

males
(cont...)

X

X

Leukemia Mononuclear																									
Mesothelioma Malignant																									
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear	X		X							X					X										
Acinus, Adenoma													X												
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																									
Lipoma							X																		
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear	X		X																						

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		6	7	6	7	7	6	5	6	7	6	7	7	7	7	6	7	7	7	7	6	7	7	6	7	6	
		1	3	6	3	3	3	2	8	3	8	3	3	3	3	7	3	3	3	3	9	2	3	7	1	9	
		7	1	6	1	1	9	0	7	1	9	0	0	0	0	7	0	0	0	0	6	1	0	9	5	6	
FISCHER 344 RATS MALE 0 MG/L		ANIMAL ID																									
		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	0	0	0	0	1	1	1	1	1	1	1	1	1	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	males (cont...)

males
(cont...)

ENDOCRINE SYSTEM

Adrenal Cortex
 Leukemia Mononuclear

+
 X

Adrenal Medulla
 Leukemia Mononuclear
 Pheochromocytoma Benign
 Pheochromocytoma Malignant
 Bilateral, Pheochromocytoma Benign

+
 X
 X
 X
 X

Islets, Pancreatic
 Adenoma

+
 X

Parathyroid Gland

+ +

Pituitary Gland
 Leukemia Mononuclear
 Pars Distalis, Adenoma
 Pars Distalis, Adenoma, Multiple

+
 X
 X
 X

Thyroid Gland
 C-cell, Adenoma

+
 X

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| DAY ON TEST | | 0 | 0 | |
|---------------------------------|--|-----------------|
| | | 6 | 7 | 6 | 7 | 7 | 6 | 5 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 6 |
| | | 1 | 3 | 6 | 3 | 3 | 3 | 2 | 8 | 3 | 8 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 9 | 2 | 3 | 7 | 1 | 9 |
| | | 7 | 1 | 6 | 1 | 1 | 9 | 0 | 7 | 1 | 9 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 6 | 1 | 0 | 9 | 5 | 6 |
| FISCHER 344 RATS MALE
0 MG/L | | |
| | | 0 | 0 | |
| | | 0 | 0 | |
| | | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | |
| ANIMAL ID | | 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...)

C-cell, Carcinoma

X

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis

+ +

Preputial Gland

+ +

Adenoma

X X

Carcinoma

X

Leukemia Mononuclear

Prostate

+ +

Adenoma

X

Leukemia Mononuclear

X

Seminal Vesicle

+ +

Testes

+ +

Bilateral, Interstitial Cell, Adenoma

X X

Interstitial Cell, Adenoma

X

X

X

X

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| | | 6 | 7 | 6 | 7 | 7 | 6 | 5 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 6 | |
| | | 1 | 3 | 6 | 3 | 3 | 3 | 2 | 8 | 3 | 8 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 9 | 2 | 3 | 7 | 1 | 9 | |
| | | 7 | 1 | 6 | 1 | 1 | 9 | 0 | 7 | 1 | 9 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 6 | 1 | 0 | 9 | 5 | 6 | |
| FISCHER 344 RATS MALE
ANIMAL ID
0 MG/L | | |
| | | 0 | |
| | | 0 | |
| | | 0 | |
| | | 0 | 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 | males
(cont...) |

HEMATOPOIETIC SYSTEM

| |
|-------------------------------------|
| Bone Marrow | + |
| Leukemia Mononuclear | X | X | X | | | | X | | | | | | | X | X | | X | X | | | | | | |
| Lymph Node | | | | | + | | | | + | | | | | | + | | | | + | + | | + | | |
| Deep Cervical, Leukemia Mononuclear | |
| Mediastinal, Leukemia Mononuclear | | | | | X | | | | X | | | | | X | | | X | X | | X | | | | |
| 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 |
| Lymph Node, Mesenteric | + |
| Leukemia Mononuclear | X | X | X | | X | | X | | X | X | | | | X | X | | | X | X | | | | | X |
| Lymph Node, Pancreatic | + | M | M | M | + | M | + | + | + | + | + | + | M | M | M | + | M | + | M | + | M | + | + | + |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | X | | | | | |
| Spleen | + |
| Leukemia Mononuclear | X | X | X | | X | | X | | X | | | | | X | X | | X | | X | X | | X | | X |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | M | + | + | + | + | + | + |
| Leukemia Mononuclear | X | X | |

INTEGUMENTARY SYSTEM

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|---------------------------------|--|--------------------|
| | | 6 | 7 | 6 | 7 | 7 | 6 | 5 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 6 | |
| | | 1 | 3 | 6 | 3 | 3 | 3 | 2 | 8 | 3 | 8 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 9 | 2 | 3 | 7 | 1 | 9 | |
| | | 7 | 1 | 6 | 1 | 1 | 9 | 0 | 7 | 1 | 9 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 6 | 1 | 0 | 9 | 5 | 6 | |
| FISCHER 344 RATS MALE
0 MG/L | | |
| | | 0 | | |
| | | 0 | | |
| | | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | | |
| ANIMAL ID | | 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...) |

| | | |
|--|---|--|
| Mammary Gland | + | |
| Carcinoma | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Fibroadenoma | | | X | | | | | | | | X | | | | | | | | | | | | | | | |
| <hr/> | |
| Skin | + | |
| Basal Cell Adenoma | |
| Keratoacanthoma | |
| Squamous Cell Carcinoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | |
| Squamous Cell Papilloma | |
| Subcutaneous Tissue, Fibroma | | | | | | | | | | | | | | | X | | X | | | X | | X | | | | |
| Subcutaneous Tissue, Fibroma, Multiple | |
| Subcutaneous Tissue, Fibrosarcoma | |
| Subcutaneous Tissue, Hemangioma | | X | |
| Subcutaneous Tissue, Sarcoma | X | X | |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

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

0 MG/L | | 0 | |
| | | 0 | |
| | | 0 | |
| | | 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 |
| males (cont...) | | |

| |
|----------------------|
| Brain | + |
| Leukemia Mononuclear | X | |
| Peripheral Nerve | + | | | | + | |
| Spinal Cord | + | | | | + | |

RESPIRATORY SYSTEM

| | | | |
|--|---|--|--|
| Lung | + | | |
| Alveolar/Bronchiolar Adenoma | | | | | X | | | | | | | | | | X | | | | X | | | | | | | | |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | | | | | | | | | X | | | | | | | | | | |
| Leukemia Mononuclear | X | | X | | | | X | | X | | | | | | X | | | | | X | | | | | | | |
| Sarcoma, Metastatic, Skin | X | | |
| <hr/> | | |
| Nose | + | | |
| <hr/> | | |
| Trachea | + | | |

SPECIAL SENSES SYSTEM

| |
|-----|
| Eye | + |
|-----|

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| | | 1 | 3 | 6 | 3 | 3 | 3 | 2 | 8 | 3 | 8 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 9 | 2 | 3 | 7 | 1 | 9 | |
| | | 7 | 1 | 6 | 1 | 1 | 9 | 0 | 7 | 1 | 9 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 6 | 1 | 0 | 9 | 5 | 6 | |
| FISCHER 344 RATS MALE
0 MG/L | | |
| | | 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 | 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...) |
| Harderian Gland | | + | |

URINARY SYSTEM

| |
|----------------------|
| Kidney | + |
| Leukemia Mononuclear | X | X | X | |
| Urinary Bladder | + |

SYSTEMIC LESIONS

| |
|------------------------|
| Multiple Organ | + |
| Leukemia Mononuclear | X | X | X | | X | | X | | X | X | | | | | X | X | | X | | X | X | | X | | X |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | | |

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

ALIMENTARY SYSTEM

| | |
|---------------------------|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + | 45 |
| Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | | 1 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | I | + | + | I | + | + | + | + | + | + | + | + | I | 46 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | X | | | | | | | | 2 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | 45 |
| Leukemia Mononuclear | | X | X | X | | | | | | X | | X | | X | | X | X | | | | | X | | X | 13 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | A | + | + | + | + | + | + | + | 44 |
| Leukemia Mononuclear |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | X | X | X | X | | | X | | X | | X | | X | | X | X | | | | | X | | X | 26 |
| Mesentery | | + | | + | + | | | | | | | + | | + | | | | | | + | | | | | 12 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | | 0 | | |
|---------------------------------|--|----------|
| | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 4 | 7 | 4 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | |
| | | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 8 | 3 | 3 | 1 | 8 | 2 | 8 | 8 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 9 | |
| | | 0 | 2 | 4 | 4 | 4 | 0 | 0 | 9 | 1 | 7 | 1 | 0 | 6 | 2 | 7 | 4 | 4 | 1 | 1 | 1 | 0 | 2 | 0 | 1 | 3 | |
| FISCHER 344 RATS MALE
0 MG/L | | |
| | | 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 | 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 |

| | |
|------------------------|----|
| Leukemia Mononuclear |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Mesothelioma Malignant | | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Oral Mucosa | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | X | X | | | | | | | | 6 |
| Acinus, Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | | 1 |
| Lipoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Tongue | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | 49 |

CARDIOVASCULAR SYSTEM

| | |
|----------------------|----|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | | 3 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

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 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | | 0 | | |
|---------------------------------|--|----------|
| | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 4 | 7 | 4 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | |
| | | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 8 | 3 | 3 | 1 | 8 | 2 | 8 | 8 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 9 | |
| | | 0 | 2 | 4 | 4 | 4 | 0 | 0 | 9 | 1 | 7 | 1 | 0 | 6 | 2 | 7 | 4 | 4 | 1 | 1 | 1 | 0 | 2 | 0 | 1 | 3 | |
| FISCHER 344 RATS MALE
0 MG/L | | |
| | | 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 | 5 | |
| ANIMAL ID | | 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 |
| Leukemia Mononuclear | | | | | X | | | | | X | | | | X | | X | | | | | | | | | 9 |
| Adrenal Medulla | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Leukemia Mononuclear | | | | | | | | X | | X | | | | X | | | | | | | | | | | 7 |
| Pheochromocytoma Benign | | | | | | | | X | | | X | | | | | | | | | | | | | | 5 |
| Pheochromocytoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Bilateral, Pheochromocytoma Benign | | | | | | | | | | X | | | | | | | | | | | | | | | 1 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Adenoma | | | | | | X | | | | | | | | | | | | | | | | | | | 4 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | M | + | + | + | + | + | + | 46 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Pars Distalis, Adenoma | | | | X | | | | | | | X | | X | | X | | | | X | X | | | | X | 15 |
| Pars Distalis, Adenoma, Multiple |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| C-cell, Adenoma | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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 BLANK .. Not examined microscopically

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | | 0 | | |
|---------------------------------|--|----------|
| | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 4 | 7 | 4 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | |
| | | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 8 | 3 | 3 | 1 | 8 | 2 | 8 | 8 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 9 | |
| | | 0 | 2 | 4 | 4 | 4 | 0 | 0 | 9 | 1 | 7 | 1 | 0 | 6 | 2 | 7 | 4 | 4 | 1 | 1 | 1 | 0 | 2 | 0 | 1 | 3 | |
| FISCHER 344 RATS MALE
0 MG/L | | |
| | | 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 | 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 |

| | |
|--|----|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Carcinoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Fibroadenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Basal Cell Adenoma | | | | | | | | | | | X | | | | | | | | X | | | | | | 2 |
| Keratoacanthoma | | | | | | | | | X | X | | | | | | | | | | | | | | | 2 |
| Squamous Cell Carcinoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Squamous Cell Papilloma | | | | | | | | | | | | | | X | | | | | | | | | | | 1 |
| Subcutaneous Tissue, Fibroma | | | | | | | | | | | X | | | | | | X | | | X | | | | | 7 |
| Subcutaneous Tissue, Fibroma, Multiple |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | | 1 |
| Subcutaneous Tissue, Fibrosarcoma | | | | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Subcutaneous Tissue, Hemangioma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Subcutaneous Tissue, Sarcoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |

MUSCULOSKELETAL SYSTEM

| | |
|-----------------|----|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Skeletal Muscle | | | | | | | | | | | | | | | + | | | | | | | | | | 3 |

NERVOUS SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | | 0 | | |
|---------------------------------|--|----------|
| | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 4 | 7 | 4 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | |
| | | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 8 | 3 | 3 | 1 | 8 | 2 | 8 | 8 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 9 | |
| | | 0 | 2 | 4 | 4 | 4 | 0 | 0 | 9 | 1 | 7 | 1 | 0 | 6 | 2 | 7 | 4 | 4 | 1 | 1 | 1 | 0 | 2 | 0 | 1 | 3 | |
| FISCHER 344 RATS MALE
0 MG/L | | |
| | | 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 | 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 |

| | |
|----------------------|----|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | | | | | | | X | | | | | | X | | | | | | | | | 3 |
| Peripheral Nerve | | | | | | | | | | | | | | + | | + | | | | | | | | | 4 |
| Spinal Cord | | | | | | | | | | | | | | + | | + | | | | | | | | | 4 |

RESPIRATORY SYSTEM

| | |
|--|----|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Alveolar/Bronchiolar Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 |
| Alveolar/Bronchiolar Adenoma, Multiple |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Leukemia Mononuclear | | X | | | X | | | X | | X | | X | | X | | X | X | | | | | | X | | 15 |
| Sarcoma, Metastatic, Skin |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

SPECIAL SENSES SYSTEM

| | |
|-----|----|
| Eye | + | 50 |
|-----|----|

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | | 0 | 0 | | |
|---------------------------------|--|-------|----------|
| | | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 4 | 7 | 4 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | |
| | | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 8 | 3 | 3 | 1 | 8 | 2 | 8 | 8 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 9 | |
| | | 0 | 2 | 4 | 4 | 4 | 0 | 0 | 9 | 1 | 7 | 1 | 0 | 6 | 2 | 7 | 4 | 4 | 1 | 1 | 1 | 0 | 2 | 0 | 1 | 3 | |
| FISCHER 344 RATS MALE
0 MG/L | | | |
| | | 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 | 5 | |
| ANIMAL ID | | 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 |
| Leukemia Mononuclear | | | | | | | | | | X | | X | | X | | X | | | | | | | | | 7 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

SYSTEMIC LESIONS

| | |
|------------------------|----|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | X | X | X | X | | | X | | X | | X | | X | X | | | | | X | | | X | | 26 |
| Mesothelioma Malignant | | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
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 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | | 0 | 0 | |
|------------------------------------|--|-----------------|
| | | 6 | 7 | 7 | 7 | 6 | 7 | 5 | 6 | 6 | 7 | 7 | 5 | 3 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 4 | 7 | 6 | 4 | 3 |
| | | 5 | 3 | 1 | 3 | 6 | 3 | 5 | 1 | 3 | 3 | 3 | 8 | 2 | 0 | 2 | 9 | 2 | 1 | 2 | 2 | 5 | 3 | 8 | 7 | 3 |
| | | 2 | 1 | 3 | 4 | 7 | 4 | 9 | 7 | 6 | 1 | 1 | 4 | 1 | 6 | 9 | 5 | 9 | 3 | 9 | 9 | 4 | 0 | 7 | 7 | 7 |
| FISCHER 344 RATS MALE
14.3 MG/L | | |
| | | 0 | 0 |
| | | 0 | 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...) | |

ALIMENTARY SYSTEM

| |
|---------------------------|
| Esophagus | + |
| Intestine Large, Cecum | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Intestine Large, Colon | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | I | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | A | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear |
| Intestine Small, Ileum | + | + | A | + | + | + | A | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | X | X | | | | | | | | | | | | | | | | |
| Intestine Small, Jejunum | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leiomyoma |
| Leiomyosarcoma |
| Liver | + |
| Hepatocellular Adenoma |
| Leukemia Mononuclear | | | | | X | X | | | X | X | | | | X | | | | X | | | | X | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Reqsted: 10/04/2007
Time Report Reqsted: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

Mesentery

+

Oral Mucosa

+ +

Pancreas

+ +

Leukemia Mononuclear

Acinus, Adenoma

X

Salivary Glands

+ +

Stomach, Forestomach

+ +

Stomach, Glandular

+ +

Leukemia Mononuclear

X

Tongue

+ +

Leukemia Mononuclear

Squamous Cell Carcinoma

X

CARDIOVASCULAR SYSTEM

Blood Vessel

+

+

+

+

Heart

+ +

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

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

TDMS No. 20114 - 07
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 Lab: SRI

| DAY ON TEST | 0 |
|------------------------------------|
| | 6 | 7 | 7 | 7 | 6 | 7 | 5 | 6 | 6 | 7 | 7 | 5 | 3 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 4 | 7 | 6 | 4 | 3 |
| | 5 | 3 | 1 | 3 | 6 | 3 | 5 | 1 | 3 | 3 | 3 | 8 | 2 | 0 | 2 | 9 | 2 | 1 | 2 | 2 | 5 | 3 | 8 | 7 | 3 |
| | 2 | 1 | 3 | 4 | 7 | 4 | 9 | 7 | 6 | 1 | 1 | 4 | 1 | 6 | 9 | 5 | 9 | 3 | 9 | 9 | 4 | 0 | 7 | 7 | 7 |
| |
| FISCHER 344 RATS MALE
ANIMAL ID | 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 |
| 14.3 MG/L | 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...) |

Leukemia Mononuclear

X

ENDOCRINE SYSTEM

Adrenal Cortex

+ +

Leukemia Mononuclear

X

Adrenal Medulla

+ +

Leukemia Mononuclear

X

Pheochromocytoma Benign

X

X

X

X

X

Islets, Pancreatic

+ +

Adenoma

X

X

Adenoma, Multiple

X

Parathyroid Gland

+ + + + + + + + + + + M + + + + + + + + + + + + +

Pituitary Gland

+ +

Leukemia Mononuclear

Pars Distalis, Adenoma

X

X

X

X

X

X

X

X

Thyroid Gland

+ +

C-cell, Adenoma

X

C-cell, Carcinoma

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| | | |
|------------------------------------|--|-----------------|
| DAY ON TEST | | 0 | 0 | |
| | | 6 | 7 | 7 | 7 | 6 | 7 | 5 | 6 | 6 | 7 | 7 | 5 | 3 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 4 | 7 | 6 | 4 | 3 |
| | | 5 | 3 | 1 | 3 | 6 | 3 | 5 | 1 | 3 | 3 | 3 | 8 | 2 | 0 | 2 | 9 | 2 | 1 | 2 | 2 | 5 | 3 | 8 | 7 | 3 |
| | | 2 | 1 | 3 | 4 | 7 | 4 | 9 | 7 | 6 | 1 | 1 | 4 | 1 | 6 | 9 | 5 | 9 | 3 | 9 | 9 | 4 | 0 | 7 | 7 | 7 |
| FISCHER 344 RATS MALE
14.3 MG/L | | |
| | | 0 | 0 | |
| | | 0 | 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 |
| | | males (cont...) | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| |
|---------------------------------------|
| Epididymis | + |
| Preputial Gland | + |
| Adenoma | X | |
| Carcinoma | | X | |
| Leukemia Mononuclear |
| Prostate | + |
| Leukemia Mononuclear |
| Seminal Vesicle | + |
| Testes | + |
| Bilateral, Interstitial Cell, Adenoma | X | | | X | X | | X | | | | X | X | X | | X | | X | X | X | X | | X | X | X | |
| Interstitial Cell, Adenoma | | X | | | | X | | X | | | | | | | | X | | | | | X | | | | |

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | | 0 | males
(cont...) | |
|------------------------------------|--|--------------------|---|
| | | 6 | 7 | 7 | 7 | 6 | 7 | 5 | 6 | 6 | 7 | 7 | 5 | 3 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 4 | 7 | 6 | 4 | | 3 |
| | | 5 | 3 | 1 | 3 | 6 | 3 | 5 | 1 | 3 | 3 | 3 | 8 | 2 | 0 | 2 | 9 | 2 | 1 | 2 | 2 | 5 | 3 | 8 | 7 | | 3 |
| | | 2 | 1 | 3 | 4 | 7 | 4 | 9 | 7 | 6 | 1 | 1 | 4 | 1 | 6 | 9 | 5 | 9 | 3 | 9 | 9 | 4 | 0 | 7 | 7 | | 7 |
| FISCHER 344 RATS MALE
14.3 MG/L | | | |
| | | 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 | |

Bone Marrow

Leukemia Mononuclear

+ +

Lymph Node

Deep Cervical, Leukemia Mononuclear

Mediastinal, Leukemia Mononuclear

+ +

Lymph Node, Mandibular

M M

Lymph Node, Mesenteric

Leukemia Mononuclear

+ +

Lymph Node, Pancreatic

Leukemia Mononuclear

+ + M + + + I + + M + M M + + + M + M M + M + + +

Spleen

Leukemia Mononuclear

+ +

Thymus

Leukemia Mononuclear

+ +

INTEGUMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Reqsted: 10/04/2007
 Time Report Reqsted: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

14.3 MG/L | | | |
| | | 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 | |

| |
|---------------|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Fibroadenoma | | | | | | | | | X | | | | | | | | | | | | | | | | |

| | |
|--|---|
| Skin | + |
| Basal Cell Adenoma | | | | X | | | | | | | | X | | | | | | X | | | | | | | |
| Basal Cell Carcinoma |
| Keratoacanthoma | | | | | | | | | X | | | | | | | | | | X | | | | | | |
| Subcutaneous Tissue, Fibroma | X | X | | | | | | | | | | X | | | | | | X | | | | X | | | |
| Subcutaneous Tissue, Fibroma, Multiple | |
| Subcutaneous Tissue, Fibrosarcoma | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Lipoma |
| Subcutaneous Tissue, Schwannoma |
| Malignant, Multiple |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | | |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

| |
|-----------------------|
| Brain | + |
| Astrocytoma Malignant | | | | | | | | | X | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| | |
|------------------------------------|----------|
| DAY ON TEST | 0 | | |
| | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | | |
| | 3 | 8 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 8 | 3 | 3 | 3 | 3 | 3 | 8 | | |
| | 1 | 7 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 9 | 9 | 9 | 0 | 4 | 4 | 0 | 0 | 0 | 8 | | |
| FISCHER 344 RATS MALE
14.3 MG/L | |
| | 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 |

ALIMENTARY SYSTEM

| | |
|---------------------------|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | X | | | | | | | | | | | | | | | 2 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | X | | | | | | | | | | | | | | | 1 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Leukemia Mononuclear | | | | | X | | X | X | | X | | | | | X | | | | X | | | | | | 8 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 47 |
| Leiomyoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | 1 |
| Leiomyosarcoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hepatocellular Adenoma | | | | | | | | | | X | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | X | X | | X | X | | X | | | X | X | | | | X | X | | | | X | | 17 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| | |
|------------------------------------|----------|
| DAY ON TEST | 0 | | |
| | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | | |
| | 3 | 8 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 8 | 3 | 3 | 3 | 3 | 3 | 8 | | |
| | 1 | 7 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 9 | 9 | 9 | 0 | 4 | 4 | 0 | 0 | 0 | 8 | | |
| FISCHER 344 RATS MALE
14.3 MG/L | |
| | 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 |

| | |
|-------------------------|----|
| Mesentery |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |
| Oral Mucosa | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | | X | | | | | | | | | | | | | X | | | | X | | | | 3 |
| Acinus, Adenoma | | | | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Tongue | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Squamous Cell Carcinoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

CARDIOVASCULAR SYSTEM

| | |
|--------------|----|
| Blood Vessel |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

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 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

14.3 MG/L | | |
| | | 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 | 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 |

| | |
|-------------------------------------|----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | | X | | | | | X | | | | | | | | X | X | | | | X | | | 10 |
| Lymph Node | | | | + | | | | | | | | | | | | + | | + | | | | | + | | | 7 |
| Deep Cervical, Leukemia Mononuclear |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | 1 |
| Mediastinal, Leukemia Mononuclear | | | | | X | | | | | | | | | | | | | X | | | | | | | | 4 |
| 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 | M | 0 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | | X | | | | | X | | | X | | | | | X | X | | | | X | | | 11 |
| Lymph Node, Pancreatic | + | + | M | + | + | + | M | + | M | + | M | M | + | M | + | + | + | + | + | + | + | M | + | + | + | 34 |
| Leukemia Mononuclear | | | | | X | | | | X | | | | X | | | | | X | | | | X | | | | 6 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | X | X | | X | X | | X | | | X | | X | | | X | X | | | X | | | | 17 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | | X | | | | | | | | | | | | | | X | | | X | | | | 4 |

INTEGUMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

Page 32

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| | DAY ON TEST | 0 |
|------------------------------------|-------------|
| | | 7 | 7 | 5 | 7 | 6 | 6 | 7 | 5 | 6 | 6 | 7 | 7 | 6 | 7 | 6 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 2 | 2 | 0 | 3 | 8 | 6 | 2 | 2 | 3 | 3 | 5 | 3 | 2 | 1 | 2 | 3 | 7 | 6 | 2 | 2 | 2 | 3 | 3 | 3 |
| | | 9 | 9 | 3 | 1 | 6 | 2 | 9 | 1 | 1 | 6 | 2 | 0 | 9 | 7 | 9 | 1 | 3 | 0 | 9 | 9 | 9 | 4 | 4 | 4 |
| FISCHER 344 RATS MALE
57.3 MG/L | ANIMAL ID | 0 |
| | | 0 |
| | | 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 |

males
(cont...)

ALIMENTARY SYSTEM

| |
|---------------------------|
| Esophagus | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + |
| Leukemia Mononuclear |
| Intestine Large, Rectum | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | X | | | | | | | | | X | | | | | | | | | | | | | | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | A | + | + | I | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | X | |
| Liver | + |
| Hepatocellular Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |
| Histiocytic Sarcoma |
| Leukemia Mononuclear |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

Mesentery
 Leukemia Mononuclear
 Mesothelioma Malignant

+ + + + + + +
 X

Oral Mucosa

+ +

Pancreas
 Leukemia Mononuclear
 Acinus, Adenoma
 Acinus, Adenoma, Multiple

+
 X
 X
 X

Salivary Glands

+ +

Stomach, Forestomach
 Leukemia Mononuclear

+ +

Stomach, Glandular
 Leukemia Mononuclear

+
 X

Tongue
 Leukemia Mononuclear

+ + + + + + + + + + + + + + + + I M + + + + +

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
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Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | | 0 | 0 | |
|------------------------------------|--|-----------------|
| | | 7 | 7 | 5 | 7 | 6 | 6 | 7 | 5 | 6 | 6 | 6 | 7 | 7 | 6 | 7 | 6 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 2 | 2 | 0 | 3 | 8 | 6 | 2 | 2 | 3 | 3 | 5 | 3 | 2 | 1 | 2 | 3 | 7 | 6 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| | | 9 | 9 | 3 | 1 | 6 | 2 | 9 | 1 | 1 | 6 | 2 | 0 | 9 | 7 | 9 | 1 | 3 | 0 | 9 | 9 | 9 | 4 | 4 | 4 | 0 |
| FISCHER 344 RATS MALE
57.3 MG/L | | |
| | | 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 | 2 | |
| ANIMAL ID | | 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...) | |

| |
|----------------------|
| Heart | + |
| Leukemia Mononuclear | | | X | | | X | | | X | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| |
|----------------------|
| Adrenal Cortex | + |
| Leukemia Mononuclear | | | | | | X | | | X | | | | X | | | | | | | | | | | | |

| |
|------------------------------------|
| Adrenal Medulla | + |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Pheochromocytoma Benign | | | | X | | X | | | | X | X | | X | | | | | | | | | X | | | |
| Pheochromocytoma Malignant |
| Bilateral, Pheochromocytoma Benign | | | | | X | | | | | | | | | | | | | | | | | | | X | |

| |
|--------------------|
| Islets, Pancreatic | + |
| Adenoma | | | | | | | | | | | | | | | X | | | | | | | | X | | |
| Carcinoma | | | | | | | | | | X | | | | | | | | | | | | | | | |

| |
|-------------------|
| Parathyroid Gland | + | M | + | + | + |
|-------------------|

| |
|------------------------|
| Pituitary Gland | + |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Pars Distalis, Adenoma | | | X | X | X | | | X | | X | | | | X | X | | | X | | | | X | X | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | | 0 | 0 |
|------------------------------------|--|-----------------|
| | | 7 | 7 | 5 | 7 | 6 | 6 | 7 | 5 | 6 | 6 | 6 | 7 | 7 | 6 | 7 | 6 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 2 | 2 | 0 | 3 | 8 | 6 | 2 | 2 | 3 | 3 | 5 | 3 | 2 | 1 | 2 | 3 | 7 | 6 | 2 | 2 | 2 | 3 | 3 | 3 |
| | | 9 | 9 | 3 | 1 | 6 | 2 | 9 | 1 | 1 | 6 | 2 | 0 | 9 | 7 | 9 | 1 | 3 | 0 | 9 | 9 | 9 | 4 | 4 | 4 |
| FISCHER 344 RATS MALE
57.3 MG/L | | |
| | | 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 | 2 |
| ANIMAL ID | | 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...) | |

| |
|---------------------------------------|
| Testes | + |
| Leukemia Mononuclear |
| Bilateral, Interstitial Cell, Adenoma | X | X | | | | X | X | | X | | X | X | X | X | X | | X | X | X | X | X | X | X | X | X |
| Interstitial Cell, Adenoma | | | X | X | | | | | | | | | | | | X | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| |
|-------------------------------------|
| Bone Marrow | + |
| Leukemia Mononuclear | | | X | X | | X | | | X | | | | | X | | | | | | | | | | | |
| Lymph Node | | | + | | | | | | | | | | + | | | | | | | + | | | | | |
| Leukemia Mononuclear |
| Deep Cervical, Leukemia Mononuclear | |
| Mediastinal, Leukemia Mononuclear | | | | X | |
| Pancreatic, Histiocytic Sarcoma | | | | | | | | | | | | | X | | | | | | | | | | | | |
| 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 |
| Leukemia Mononuclear |
| Lymph Node, Mesenteric | + |
| Leukemia Mononuclear | | | X | | | X | | | X | | | | | X | | | | | | | | | | | |
| Lymph Node, Pancreatic | M | M | + | + | + | + | M | M | + | + | + | + | + | + | + | M | + | + | + | M | + | M | M | M | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

57.3 MG/L | | |
| | | 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 | 2 | |
| ANIMAL ID | | 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...) | |

| |
|----------------------|
| Leukemia Mononuclear | | | | X | | | | | | X | | | | | | | | X | | | | | | | | |
| Spleen | + |
| Leukemia Mononuclear | X | | X | X | | X | | X | X | | | | | X | | | X | | X | | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | I | + | + | + | + |
| Leukemia Mononuclear | | | X | | | | | | X | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| |
|-----------------------------------|
| Mammary Gland | + |
| Fibroadenoma | | | | | | | | | | | X | | X | | | | | X | X | X | | | | | | |
| Fibroadenoma, Multiple |
| Skin | + |
| Basal Cell Carcinoma | | | | | | | | | | | | X | | | | | | | | | | | | | X | |
| Histiocytic Sarcoma | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Keratoacanthoma | | | X | |
| Leukemia Mononuclear | | | | | | X | |
| Trichoepithelioma |
| Subcutaneous Tissue, Fibroma | X | | | X | | X | | | | | | | | X | | | X | | X | | | | | X | X | |
| Subcutaneous Tissue, Fibrosarcoma | | | | | | | | | | | | | | | | | | X | | | | | | | | |
| Subcutaneous Tissue, Lipoma |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Reqsted: 10/04/2007
Time Report Reqsted: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

| |
|----------------------|
| Brain | + |
| Leukemia Mononuclear | | | | | | X | | | X | | | | | | | | | | | | | | | |
| Peripheral Nerve | | | | | + | + | | | | + | | | | | | | | + | | | | | | |
| Spinal Cord | | | | | + | + | | | | + | | | | | | | | + | | | | | | |
| Leukemia Mononuclear | | | | | | X | | | | | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

| |
|--------------------------------|
| Lung | + |
| Alveolar/Bronchiolar Adenoma |
| Alveolar/Bronchiolar Carcinoma | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | X | | | | | | | | | |
| Leukemia Mononuclear | | | X | | | X | | | X | | | | | | X | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

57.3 MG/L | | |
| | | 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 | 2 | | |
| ANIMAL ID | | 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...) |

| |
|---------|
| Nose | + |
| Trachea | + |

SPECIAL SENSES SYSTEM

| |
|-----------------|
| Eye | + |
| Harderian Gland | + |

URINARY SYSTEM

| |
|----------------------|
| Kidney | + |
| Leukemia Mononuclear | | | X | | | | | | X | | | | | | | X | | | | | | | | | | |
| Urinary Bladder | + |
| Leukemia Mononuclear | | | X | | | X | |

SYSTEMIC LESIONS

| |
|----------------------|
| Multiple Organ | + |
| Histiocytic Sarcoma | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Leukemia Mononuclear | X | | X | X | | X | | X | X | | | | X | | | X | | X | | X | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| | |
|---|---|
| DAY ON TEST | 0 |
| | 7 | 7 | 5 | 7 | 6 | 6 | 7 | 5 | 6 | 6 | 6 | 7 | 7 | 6 | 7 | 6 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 2 | 2 | 0 | 3 | 8 | 6 | 2 | 2 | 3 | 3 | 5 | 3 | 2 | 1 | 2 | 3 | 7 | 6 | 2 | 2 | 2 | 3 | 3 | 3 |
| | 9 | 9 | 3 | 1 | 6 | 2 | 9 | 1 | 1 | 6 | 2 | 0 | 9 | 7 | 9 | 1 | 3 | 0 | 9 | 9 | 9 | 4 | 4 | 4 |
| | |
| FISCHER 344 RATS MALE
ANIMAL ID
57.3 MG/L | 0 |
| | 0 |
| | 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 |

males
(cont...)

Mesothelioma Malignant X

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | 0 |
|-----------------------|----------|
| | 5 | 5 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 2 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 5 |
| | 0 | 7 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 7 | 2 | 3 | 3 | 4 | 3 | 3 | 3 | 6 | 3 | 3 | 0 | 3 | 3 | 9 | |
| | 1 | 9 | 9 | 9 | 9 | 9 | 0 | 9 | 9 | 2 | 9 | 1 | 1 | 0 | 0 | 0 | 1 | 7 | 1 | 1 | 9 | 1 | 1 | 5 | |
| FISCHER 344 RATS MALE | 0 | |
| ANIMAL ID | 0 | |
| 57.3 MG/L | 1 | |
| | 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 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS |

| | |
|---------------------------|----|
| Mesentery | + | | | | + | + | + | + | | | | | | | + | | + | | + | | | | | | 15 |
| Leukemia Mononuclear | | | | | X | X | | | | | | | | | X | | | | | | | | | | 3 |
| Mesothelioma Malignant | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Oral Mucosa | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Leukemia Mononuclear | | | | | X | X | | | | | | | | | X | | | | | | | | | | 4 |
| Acinus, Adenoma | | | X | | | | | | X | | | | | | | X | | | | | | | | | 4 |
| Acinus, Adenoma, Multiple | | | | | | | | | | | | | | | | | | X | | | | | | | 2 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Leukemia Mononuclear | | | | | | X | | | | | | | | X | | | | | | | | | | | 2 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Leukemia Mononuclear | X | | | | | X | | | | | | | | X | | | | | | | | | | | 4 |
| Tongue | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Leukemia Mononuclear | | | | | X | | | | | | | | | | | | | | | | | | | | 1 |

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

Page 47

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | 0 | 0 |
|------------------------------------|----------|
| | 5 | 5 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 2 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 5 |
| FISCHER 344 RATS MALE
57.3 MG/L | 0 | 0 |
| | 0 | 0 |
| ANIMAL ID | 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 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | 0 |
| | * TOTALS | |

MUSCULOSKELETAL SYSTEM

| | |
|-----------------|----|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Skeletal Muscle |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |

NERVOUS SYSTEM

| | |
|----------------------|----|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Leukemia Mononuclear | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 |
| Peripheral Nerve |  |  | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5 |
| Spinal Cord |  |  | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5 |
| Leukemia Mononuclear |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

RESPIRATORY SYSTEM

| | |
|--------------------------------|----|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | X | | | | | | | | | | | | X | | | | 2 |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | | | X | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Leukemia Mononuclear | X | | | | X | | X | | X | X | | | | X | | X | | X | | | | | | | 12 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | | 0 | 0 | |
|-----------------------------------|--|-----------------|
| | | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | |
| | | 2 | 2 | 2 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 7 | 3 | 3 | 2 | 2 | 2 | 3 | 0 | 3 | 3 |
| | | 9 | 9 | 9 | 5 | 1 | 1 | 0 | 9 | 0 | 1 | 1 | 1 | 1 | 5 | 1 | 0 | 1 | 1 | 9 | 9 | 9 | 4 | 7 | 4 | 1 |
| FISCHER 344 RATS MALE
172 MG/L | | |
| | | 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 | |
| ANIMAL ID | | 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...)

ALIMENTARY SYSTEM

| |
|---------------------------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | X | |
| Lipoma | X | |
| Intestine Large, Colon | + |
| Leukemia Mononuclear | | | | X | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + |
| Leukemia Mononuclear | | | | X | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + |
| Leukemia Mononuclear | | | | X | | | | | | | | | | | | X | | | | | | | | | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + |
| Leukemia Mononuclear | | | | X | |
| Liver | + |
| Leukemia Mononuclear | | X | | X | | | | | X | | | | | X | X | | | | X | | | X | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | | 0 | 0 | |
|-----------------------------------|--|-----------------|
| | | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | |
| | | 2 | 2 | 2 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 7 | 3 | 3 | 2 | 2 | 2 | 3 | 0 | 3 | 3 |
| | | 9 | 9 | 9 | 5 | 1 | 1 | 0 | 9 | 0 | 1 | 1 | 1 | 1 | 5 | 1 | 0 | 1 | 1 | 9 | 9 | 9 | 4 | 7 | 4 | 1 |
| FISCHER 344 RATS MALE
172 MG/L | | |
| | | 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 |
| ANIMAL ID | | 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...)

Leukemia Mononuclear
 Schwannoma Malignant

X

ENDOCRINE SYSTEM

Adrenal Cortex

+ +

Adenoma

X

Leukemia Mononuclear

X

X

Adrenal Medulla

+ +

Leukemia Mononuclear

X

Pheochromocytoma Benign

X

Pheochromocytoma Malignant

X

X

Bilateral, Pheochromocytoma Benign

Islets, Pancreatic

+ +

Adenoma

X

X

X

X

Parathyroid Gland

+ +

Pituitary Gland

+ +

Leukemia Mononuclear

X

X

Pars Distalis, Adenoma

X

X

X

X

X

X

X

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Reqsted: 10/04/2007
Time Report Reqsted: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

| DAY ON TEST | 0 |
|--|--------------------|
| | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | | |
| | 2 | 2 | 2 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 7 | 3 | 3 | 2 | 2 | 2 | 3 | 0 | 3 | 3 | |
| | 9 | 9 | 9 | 5 | 1 | 1 | 0 | 9 | 0 | 1 | 1 | 1 | 1 | 5 | 1 | 0 | 1 | 1 | 9 | 9 | 9 | 4 | 7 | 4 | 1 | |
| | |
| FISCHER 344 RATS MALE
172 MG/L
ANIMAL ID | 0 |
| | 0 |
| | 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...) |

| |
|----------------------------|
| Thyroid Gland | + |
| C-cell, Adenoma | | | | X | |
| C-cell, Carcinoma | | | | | | | | | | | | | X | | | | | | | | | | | | |
| Follicular Cell, Carcinoma | |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| |
|----------------------|
| Epididymis | + |
| Penis |
| Preputial Gland | + |
| Adenoma | | | | | | | | | | | | | X | | | | | | | | X | | | | |
| Carcinoma |
| Prostate | + |
| Leukemia Mononuclear | | | | X | |
| Seminal Vesicle | + |
| Leukemia Mononuclear | | | | X | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| | | |
|-----------------------------------|--|-----------------|
| DAY ON TEST | | 0 | 0 | |
| | | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | |
| | | 2 | 2 | 2 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 7 | 3 | 3 | 2 | 2 | 2 | 3 | 0 | 3 | 3 |
| | | 9 | 9 | 9 | 5 | 1 | 1 | 0 | 9 | 0 | 1 | 1 | 1 | 1 | 5 | 1 | 0 | 1 | 1 | 9 | 9 | 9 | 4 | 7 | 4 | 1 |
| FISCHER 344 RATS MALE
172 MG/L | | |
| | | 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 | |
| | | 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...) | |

| |
|---------------------------------------|
| Testes | + |
| Bilateral, Interstitial Cell, Adenoma | X | | X | X | X | X | | | X | X | | X | X | X | X | X | X | X | X | X | X | | X | X | X |
| Interstitial Cell, Adenoma | | X | | | | | | X | X | | | X | | | | | | | | | | X | | | |

HEMATOPOIETIC SYSTEM

| |
|-------------------------------------|
| Bone Marrow | + |
| Leukemia Mononuclear | | X | | X | | | | | | X | | | | | X | | | X | | | X | | | | |
| Lymph Node | | + | | | | | + | | | + | | | | | | + | + | | | | | | + | | |
| Leukemia Mononuclear |
| Deep Cervical, Leukemia Mononuclear | | X | |
| Mediastinal, Leukemia Mononuclear | | X | | | | | | | | X | | | | | | X | | | | | | | X | | |
| 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 | M |
| Lymph Node, Mesenteric | + |
| Leukemia Mononuclear | | | | X | | | | | | X | | | | | | X | | | | | | | X | | |
| Lymph Node, Pancreatic | + | + | + | + | M | + | M | M | + | + | M | + | + | + | + | + | M | M | M | + | M | M | + | + | + |
| Leukemia Mononuclear | | | | X | | | | | | | | | | | | X | | | | | | | X | | |
| Spleen | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| | | |
|-----------------------------------|--|-----------------|
| DAY ON TEST | | 0 | 0 | |
| | | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | |
| | | 2 | 2 | 2 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 7 | 3 | 3 | 2 | 2 | 2 | 3 | 0 | 3 | 3 |
| | | 9 | 9 | 9 | 5 | 1 | 1 | 0 | 9 | 0 | 1 | 1 | 1 | 1 | 5 | 1 | 0 | 1 | 1 | 9 | 9 | 9 | 4 | 7 | 4 | 1 |
| FISCHER 344 RATS MALE
172 MG/L | | |
| | | 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 | |
| | | 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...) | |

| | | |
|----------------------|--|---|
| Hemangiosarcoma | | |
| Leukemia Mononuclear | | X | | X | | | | | | X | | | | | X | X | | | | X | | | X | | |
| Thymus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | X | | | | | | | | | |
| Thymoma Malignant | | |

INTEGUMENTARY SYSTEM

| | | |
|---|--|---|
| Mammary Gland | | + |
| Fibroadenoma | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Skin | | + |
| Basal Cell Adenoma | | |
| Keratoacanthoma | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Sebaceous Gland, Adenoma | | | | X | |
| Subcutaneous Tissue, Fibroma | | | | | | | X | | | | | X | | | X | | | | | | | | | | |
| Subcutaneous Tissue, Fibroma, Multiple | | |
| Subcutaneous Tissue, Fibrous Histiocytoma | | | | | | | | | | | | | X | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Reqsted: 10/04/2007
Time Report Reqsted: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

| | |
|--|---|
| DAY ON TEST | 0 |
| | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 |
| | 2 | 2 | 2 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 7 | 3 | 3 | 2 | 2 | 2 | 3 | 0 | 3 | 3 |
| | 9 | 9 | 9 | 5 | 1 | 1 | 0 | 9 | 0 | 1 | 1 | 1 | 1 | 5 | 1 | 0 | 1 | 1 | 9 | 9 | 9 | 4 | 7 | 4 | 1 |
| | |
| FISCHER 344 RATS MALE
172 MG/L
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...) |

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

NERVOUS SYSTEM

| |
|----------------------|
| Brain | + |
| Leukemia Mononuclear | | | | X | | | | | | | | | | | | | | | | | | X | | | |
| Peripheral Nerve | | | | | | | | | | | + | | | | | + | | | | | | | | | |
| Spinal Cord | | | | | | | | | | | + | | | | | + | | | | | | | | | |

RESPIRATORY SYSTEM

| |
|------------------------------|
| Lung | + |
| Alveolar/Bronchiolar Adenoma | |
| Leukemia Mononuclear | | X | | X | | | | | X | | | | | X | X | | | | | | | X | | | |
| Nose | + |
| Trachea | + |

SPECIAL SENSES SYSTEM

| |
|--|
| |
|--|

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| | | 0 | 0 | |
|-----------------------|--|-----------------|
| DAY ON TEST | | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | |
| | | 2 | 2 | 2 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 7 | 3 | 3 | 2 | 2 | 2 | 3 | 0 | 3 | 3 |
| | | 9 | 9 | 9 | 5 | 1 | 1 | 0 | 9 | 0 | 1 | 1 | 1 | 1 | 5 | 1 | 0 | 1 | 1 | 9 | 9 | 9 | 4 | 7 | 4 | 1 |
| | | |
| FISCHER 344 RATS MALE | | 0 | 0 | |
| ANIMAL ID | | 0 | 0 | |
| 172 MG/L | | 1 | 1 | |
| | | 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...) | |

| |
|-----|
| Eye | + |
|-----|

| |
|-----------------|
| Harderian Gland | + |
|-----------------|

URINARY SYSTEM

| |
|--------|
| Kidney | + |
|--------|

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|
| Leukemia Mononuclear | | | | X | | | | | | X | | | | | | | | | | | | X | | | |
|----------------------|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|

| |
|-----------------|
| Urinary Bladder | + |
|-----------------|

SYSTEMIC LESIONS

| |
|----------------|
| Multiple Organ | + |
|----------------|

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--|---|--|---|--|--|--|--|--|---|--|--|--|--|---|---|--|--|--|---|--|--|---|--|--|
| Leukemia Mononuclear | | X | | X | | | | | | X | | | | | X | X | | | | X | | | X | | |
|----------------------|--|---|--|---|--|--|--|--|--|---|--|--|--|--|---|---|--|--|--|---|--|--|---|--|--|

| | | | | | | |
|------------------------|---|--|--|--|--|--|
| Mesothelioma Malignant | X | | | | | |
|------------------------|---|--|--|--|--|--|

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

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 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| | | | |
|-----------------------------------|----------|---|--|
| DAY ON TEST | 0 | 0 | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 5 | 7 | 7 | 6 | 7 | 5 | 5 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 3 | 7 | |
| | 0 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 3 | 7 | 3 | 3 | 9 | 2 | 4 | 2 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | |
| | 9 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 5 | 0 | 0 | 4 | 4 | 2 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 1 | 1 | 1 | 1 | |
| FISCHER 344 RATS MALE
172 MG/L | | | |
| | 0 | 0 | |
| | 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 | 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 | | |

| | |
|----------------------------|----|
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| C-cell, Adenoma | | X | | | | | | | | | | | | X | | X | | | | X | | X | | X | | | 7 |
| C-cell, Carcinoma | | | | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | 3 |
| Follicular Cell, Carcinoma | | | | | | | | | | | | | | | | | | | X | | | | | | | | 1 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | |
|----------------------|----|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Penis | | | | | | | | | | | + | | | | | | | | | | | | | | | | 1 |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Carcinoma | | | | | | X | | | | | | | | | | X | | | | X | | | | | | | 3 |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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 BLANK .. Not examined microscopically

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 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| | |
|--|----------|
| DAY ON TEST | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 5 | 7 | 7 | 6 | 7 | 5 | 5 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 7 |
| | 0 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 3 | 7 | 3 | 3 | 9 | 2 | 4 | 2 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 3 |
| | 9 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 5 | 0 | 0 | 4 | 4 | 2 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 1 | 1 |
| FISCHER 344 RATS MALE
172 MG/L
ANIMAL ID | |
| | 0 | 0 |
| | 0 | 0 |
| | 1 | 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 | 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 | |

| | |
|---------------------------------------|----|
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Bilateral, Interstitial Cell, Adenoma | X | X | X | X | X | X | | | X | X | X | X | | X | X | X | | X | X | X | X | | X | X | | 39 |
| Interstitial Cell, Adenoma | | | | | | | X | X | | | | | X | | | | X | X | | | | | | | | 10 |

HEMATOPOIETIC SYSTEM

| | |
|-------------------------------------|----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | | | X | X | | X | | X | | | | X | | | | | | | X | | | | 12 |
| Lymph Node | | | | | | + | | | + | | | | + | | | | + | | | | | + | | | | 11 |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | | | 1 |
| Deep Cervical, Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | | | 2 |
| Mediastinal, Leukemia Mononuclear | | | | | | X | | | X | | | | | | | | X | | | | | X | | | | 8 |
| 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 | + | 2 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | | | X | X | | X | | X | | | | X | | | | | | | X | | | | 10 |
| Lymph Node, Pancreatic | + | M | + | + | + | + | + | I | + | M | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | 36 |
| Leukemia Mononuclear | | | | | | X | X | | X | | X | | | | X | | | | | | | X | | | | 9 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| | | |
|--|--|----------|
| DAY ON TEST | | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 5 | 7 | 7 | 6 | 7 | 5 | 5 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 7 |
| | | 0 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 3 | 7 | 3 | 3 | 9 | 2 | 4 | 2 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 3 |
| | | 9 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 5 | 0 | 0 | 4 | 4 | 2 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 1 | 1 |
| <hr style="border-top: 1px dotted black;"/> | | |
| FISCHER 344 RATS MALE

172 MG/L

ANIMAL ID | | 0 | 0 | |
| | | 0 | 0 | |
| | | 1 | 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 | 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 | |

| | |
|----------------------|----|
| Hemangiosarcoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Leukemia Mononuclear | | X | | | | | X | X | | X | | X | | | | X | | X | | | | | X | X | | 16 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Leukemia Mononuclear | | | | | | | X | | | | X | | | | | | | | | | | | | | | 3 |
| Thymoma Malignant | | | | | | | | | | | | | | X | | | | | | | | | | | | 1 |

INTEGUMENTARY SYSTEM

| | |
|---|----|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Fibroadenoma | | | | X | | | | | | | | | | | | | | | | | | | | X | | 3 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Basal Cell Adenoma | | | | | | | | | | | | | | | | X | | | | | | | | | | 1 |
| Keratoacanthoma | | | | | | X | | | | | | | X | | | | X | | | | X | | | | | 4 |
| Squamous Cell Papilloma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Sebaceous Gland, Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Subcutaneous Tissue, Fibroma | | | | | X | X | | | | | | | | | X | | | X | | | | | | | | 7 |
| Subcutaneous Tissue, Fibroma, Multiple | | | | | | | | | | | | | | | | | | | X | | | | | X | | 2 |
| Subcutaneous Tissue, Fibrous Histiocytoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

MUSCULOSKELETAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

Date Report Requested: 10/04/2007
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First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

TDMS No. 20114 - 07
 Test Type: CHRONIC
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 Species/Strain: RATS/F 344

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 Sodium dichromate dihydrate (VI)
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Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | 0 |
|------------------------------------|
| | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 5 | 7 | 7 | 7 | 6 | 5 | 7 | 5 | 7 | 6 | 7 | 7 |
| FISCHER 344 RATS MALE
ANIMAL ID | 9 | 3 | 3 | 2 | 3 | 2 | 3 | 0 | 1 | 2 | 5 | 7 | 3 | 8 | 3 | 3 | 3 | 8 | 4 | 3 | 9 | 2 | 8 | 3 | 3 |
| | 6 | 4 | 4 | 9 | 6 | 9 | 0 | 9 | 1 | 9 | 2 | 3 | 1 | 7 | 1 | 1 | 1 | 6 | 3 | 4 | 5 | 9 | 9 | 1 | 1 |
| 516 MG/L | 0 |
| | 0 |
| | 2 |
| | 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 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
| males (cont...) |

ALIMENTARY SYSTEM

| | |
|--|---|
| Esophagus | + |
| Intestine Large, Cecum | + |
| Intestine Large, Colon | + |
| Leiomyosarcoma |
| Intestine Large, Rectum | + |
| Intestine Small, Duodenum | + |
| Intestine Small, Ileum | + |
| Leukemia Mononuclear |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | A | + | + | + | + | + | + |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon | |
| Liver | + |
| Hepatocellular Adenoma |
| Leiomyosarcoma, Metastatic, Spleen |
| Leukemia Mononuclear |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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TDMS No. 20114 - 07
 Test Type: CHRONIC
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 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | 0 |
|-----------------------------------|
| | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 5 | 7 | 7 | 7 | 6 | 5 | 7 | 5 | 7 | 6 | 7 | 7 |
| FISCHER 344 RATS MALE
516 MG/L | 9 | 3 | 3 | 2 | 3 | 2 | 3 | 0 | 1 | 2 | 5 | 7 | 3 | 8 | 3 | 3 | 3 | 8 | 4 | 3 | 9 | 2 | 8 | 3 | 3 |
| | 6 | 4 | 4 | 9 | 6 | 9 | 0 | 9 | 1 | 9 | 2 | 3 | 1 | 7 | 1 | 1 | 1 | 6 | 3 | 4 | 5 | 9 | 9 | 1 | 1 |
| ANIMAL ID | 0 |
| | 0 |
| | 2 |
| | 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 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 |

males
(cont...)

Mesentery
 Hemangioma
 Leukemia Mononuclear

+ +

Oral Mucosa
 Squamous Cell Carcinoma
 Squamous Cell Papilloma

+
 X

Pancreas
 Leukemia Mononuclear
 Acinus, Adenoma
 Acinus, Adenoma, Multiple

+
 X

Salivary Glands
 Schwannoma Malignant, Metastatic,
 Peripheral Nerve

+
 X

Stomach, Forestomach

+ +

Stomach, Glandular
 Lipoma

+ +

Tongue
 Squamous Cell Papilloma

+
 X

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

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 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | 0 |
|------------------------------------|
| | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 5 | 7 | 7 | 7 | 6 | 5 | 7 | 5 | 7 | 6 | 7 | 7 |
| FISCHER 344 RATS MALE
ANIMAL ID | 9 | 3 | 3 | 2 | 3 | 2 | 3 | 0 | 1 | 2 | 5 | 7 | 3 | 8 | 3 | 3 | 3 | 8 | 4 | 3 | 9 | 2 | 8 | 3 | 3 |
| | 6 | 4 | 4 | 9 | 6 | 9 | 0 | 9 | 1 | 9 | 2 | 3 | 1 | 7 | 1 | 1 | 1 | 6 | 3 | 4 | 5 | 9 | 9 | 1 | 1 |
| 516 MG/L | 0 |
| | 0 |
| | 2 |
| | 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 |
| males (cont...) |
| 1 |

Tooth
 Squamous Cell Carcinoma, Metastatic,
 Oral Mucosa

+
 X

CARDIOVASCULAR SYSTEM

Blood Vessel

+ +

Heart

+ +

Leukemia Mononuclear

Schwannoma Benign

Schwannoma Malignant

ENDOCRINE SYSTEM

Adrenal Cortex

+ +

Leukemia Mononuclear

X

Adrenal Medulla

+ +

Leukemia Mononuclear

X

Pheochromocytoma Benign

X

X

Pheochromocytoma Malignant

Bilateral, Pheochromocytoma Benign

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Reqsted: 10/04/2007
Time Report Reqsted: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

males
(cont...)

Islets, Pancreatic
Adenoma

+
X X

Parathyroid Gland
Adenoma

+ +

Pituitary Gland
Leukemia Mononuclear
Pars Distalis, Adenoma

+
X X

Thyroid Gland
C-cell, Adenoma
C-cell, Carcinoma
Follicular Cell, Carcinoma

+
X
X
X X

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

Coagulating Gland

+

Epididymis

+ +

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
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 Lab: SRI

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

| |
|---------------------------------------|
| Preputial Gland | + |
| Adenoma | | X | | X | |
| Carcinoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | X |
| Prostate | + |
| Adenoma | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Seminal Vesicle | + |
| Testes | + |
| Bilateral, Interstitial Cell, Adenoma | X | X | X | X | | | X | | X | X | | X | X | | | X | X | X | | X | | X | X | X | X |
| Interstitial Cell, Adenoma | | | | | X | X | | | | | X | | | | X | | | | X | | | | | | |

HEMATOPOIETIC SYSTEM

| | |
|---|---|
| Bone Marrow | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | X | | | | | | | | X | |
| Lymph Node | | | | | | | | | | | | | + | | | | | | | | + | | | + | |
| Leukemia Mononuclear |
| Deep Cervical, Carcinoma, Metastatic, Thyroid Gland | |
| Mediastinal, Leukemia Mononuclear |

* .. Total animals with tissue examined microscopically; Total animals with tumor
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 Lab: SRI

| | | |
|------------------------------------|--|-----------------|
| DAY ON TEST | | 0 | | |
| | | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 5 | 7 | 7 | 7 | 6 | 5 | 7 | 5 | 7 | 6 | 7 | 7 | |
| | | 9 | 3 | 3 | 2 | 3 | 2 | 3 | 0 | 1 | 2 | 5 | 7 | 3 | 8 | 3 | 3 | 3 | 8 | 4 | 3 | 9 | 2 | 8 | 3 | 3 | |
| | | 6 | 4 | 4 | 9 | 6 | 9 | 0 | 9 | 1 | 9 | 2 | 3 | 1 | 7 | 1 | 1 | 1 | 6 | 3 | 4 | 5 | 9 | 9 | 1 | 1 | |
| FISCHER 344 RATS MALE
ANIMAL ID | | |
| | | 0 | | |
| | | 0 | | |
| | | 2 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | | |
| 516 MG/L | | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | males (cont...) |

males
(cont...)

| |
|----------------------------------|
| Pancreatic, Leukemia Mononuclear | X | |
| 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 |
| Lymph Node, Mesenteric | + |
| Leukemia Mononuclear | | | | X | | | | | | | | | | | X | | | | | | X | | | |
| Lymph Node, Pancreatic | M | + | M | I | + | + | M | + | M | + | + | + | + | M | + | + | M | + | M | M | + | M | M | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | X | | | | | | | | | |
| Spleen | + |
| Leiomyosarcoma |
| Leukemia Mononuclear | | | | X | | | | | | | | X | | | X | | X | | | | | X | X | |
| Thymus | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | I | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | X | | | | | | | | | |

INTEGUMENTARY SYSTEM

| |
|---------------|
| Mammary Gland | + |
| Carcinoma |
| Fibroadenoma | |
| Skin | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
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 Lab: SRI

| | | |
|-----------------------------------|--|----------|
| DAY ON TEST | | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 7 | |
| | | 3 | 3 | 3 | 3 | 3 | 9 | 4 | 2 | 2 | 8 | 6 | 1 | 0 | 3 | 3 | 3 | 2 | 2 | 2 | 5 | 1 | 1 | 3 | 3 |
| | | 1 | 0 | 0 | 0 | 1 | 5 | 0 | 9 | 9 | 7 | 7 | 0 | 5 | 4 | 4 | 4 | 9 | 9 | 9 | 7 | 0 | 7 | 4 | 4 |
| | | |
| FISCHER 344 RATS MALE
516 MG/L | | 0 | 0 | |
| | | 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 | |
| | | 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

| | |
|--|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leiomyosarcoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 48 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | M | + | + | + | 47 |
| Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | X | | | | 2 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 46 |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Hepatocellular Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Leiomyosarcoma, Metastatic, Spleen | | | | | | | | | | | | X | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | X | X | | | | X | | | X | X | X | | | X | X | | X | | X | X | X | X | | 18 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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 BLANK .. Not examined microscopically

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 Lab: SRI

| DAY ON TEST | 0 | 0 |
|-----------------------------------|----------|
| | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 7 | 7 |
| FISCHER 344 RATS MALE
516 MG/L | 3 | 3 | 3 | 3 | 3 | 9 | 4 | 2 | 2 | 8 | 6 | 1 | 0 | 3 | 3 | 3 | 2 | 2 | 2 | 5 | 1 | 1 | 3 | 3 |
| | 1 | 0 | 0 | 0 | 1 | 5 | 0 | 9 | 9 | 7 | 7 | 0 | 5 | 4 | 4 | 4 | 9 | 9 | 9 | 7 | 0 | 7 | 4 | 4 |
| ANIMAL ID | 0 | 0 |
| | 0 | 0 |
| 516 MG/L | 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 |
| | 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 | |

| | |
|--|----|
| Mesentery | + | | | | | | | | | + | | + | | | | + | | | | + | + | + | | 15 |
| Hemangioma | | | | | | | | | | | | X | | | | | | | | | | | | 1 |
| Leukemia Mononuclear |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | 1 |
| Oral Mucosa | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Squamous Cell Carcinoma | | | | | | | | | | | X | | | | | | | X | | | | | | 6 |
| Squamous Cell Papilloma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Leukemia Mononuclear | | X | | | | | | | | | | | | | | | | | X | | | | | 4 |
| Acinus, Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | 1 |
| Acinus, Adenoma, Multiple | | | | | X | | | | | | | | | | | | | | | | | | | 1 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Schwannoma Malignant, Metastatic, Peripheral Nerve |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Lipoma | | | | | | | | | | | | | | X | | | | | | | | | | 1 |
| Tongue | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Squamous Cell Papilloma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| | | | |
|-----------------------------------|--|----------|--|
| DAY ON TEST | | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | |
| | | 3 | 3 | 3 | 3 | 3 | 9 | 4 | 2 | 2 | 8 | 6 | 1 | 0 | 3 | 3 | 3 | 2 | 2 | 2 | 5 | 1 | 1 | 3 | 3 | |
| | | 1 | 0 | 0 | 0 | 1 | 5 | 0 | 9 | 9 | 7 | 7 | 0 | 5 | 4 | 4 | 4 | 9 | 9 | 9 | 7 | 0 | 7 | 4 | 4 | |
| FISCHER 344 RATS MALE
516 MG/L | | | |
| | | 0 | 0 | |
| | | 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 | |
| | | 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 | |

| | | |
|--|---|---|
| Tooth | + | 4 |
| Squamous Cell Carcinoma, Metastatic, Oral Mucosa | | 1 |

CARDIOVASCULAR SYSTEM

| | | |
|----------------------|---|----|
| Blood Vessel | + | 3 |
| Heart | + | 49 |
| Leukemia Mononuclear | X | 1 |
| Schwannoma Benign | X | 1 |
| Schwannoma Malignant | X | 1 |

ENDOCRINE SYSTEM

| | | |
|------------------------------------|---|----|
| Adrenal Cortex | + | 49 |
| Leukemia Mononuclear | X X X | 4 |
| Adrenal Medulla | + | 49 |
| Leukemia Mononuclear | X X X | 5 |
| Pheochromocytoma Benign | X | 3 |
| Pheochromocytoma Malignant | X | 1 |
| Bilateral, Pheochromocytoma Benign | X | 1 |

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| | | | |
|-----------------------------------|--|-----------|--|
| DAY ON TEST | | 0 | 0 | | |
| | | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 7 | | |
| | | 3 | 3 | 3 | 3 | 3 | 9 | 4 | 2 | 2 | 8 | 6 | 1 | 0 | 3 | 3 | 3 | 2 | 2 | 2 | 5 | 1 | 1 | 3 | 3 | |
| | | 1 | 0 | 0 | 0 | 1 | 5 | 0 | 9 | 9 | 7 | 7 | 0 | 5 | 4 | 4 | 4 | 9 | 9 | 9 | 7 | 0 | 7 | 4 | 4 | |
| FISCHER 344 RATS MALE
516 MG/L | | ANIMAL ID | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | 0 | 0 | | |
| | | 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 | | |
| | | 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 | |

| | |
|----------------------------|----|
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Adenoma | | | | | | | X | | | | | | | | | | | | | | | | | | 5 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | | 1 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Leukemia Mononuclear | | | | | | | X | | | | X | | | | | | | | | | | | | | 2 |
| Pars Distalis, Adenoma | | | | X | | | | X | X | | X | | | | X | | | | X | | | | | | 16 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| C-cell, Adenoma | | | | | X | | | | | | | | | | | | | | | | | | | | 7 |
| C-cell, Carcinoma | | | | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Follicular Cell, Carcinoma | | | | | | | | | | X | | X | X | | | | | | | | | | | | 3 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | |
|-------------------|----|
| Coagulating Gland |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
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| | | 0 | 0 | |
|----------------------------------|--|----------|
| DAY ON TEST | | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 7 | |
| | | 3 | 3 | 3 | 3 | 3 | 9 | 4 | 2 | 2 | 8 | 6 | 1 | 0 | 3 | 3 | 3 | 2 | 2 | 2 | 5 | 1 | 1 | 3 | 3 | |
| | | 1 | 0 | 0 | 0 | 1 | 5 | 0 | 9 | 9 | 7 | 7 | 0 | 5 | 4 | 4 | 4 | 4 | 9 | 9 | 9 | 7 | 0 | 7 | 4 | 4 |
| | | |
| FISCHER 344 RATS MALE | | 0 | 0 | |
| ANIMAL ID | | 0 | 0 | |
| 516 MG/L | | 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 | |
| | | 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 | |
| Pancreatic, Leukemia Mononuclear | | 1 |
| Lymph Node, Mandibular | | 2 |
| Lymph Node, Mesenteric | | 49 |
| Leukemia Mononuclear | | 14 |
| Lymph Node, Pancreatic | | 33 |
| Leukemia Mononuclear | | 7 |
| Spleen | | 49 |
| Leiomyosarcoma | | 1 |
| Leukemia Mononuclear | | 19 |
| Thymus | | 47 |
| Leukemia Mononuclear | | 4 |

INTEGUMENTARY SYSTEM

| | |
|---------------|----|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Carcinoma | | | | | | | | | | | X | | | | | | | | | | | | | | 1 |
| Fibroadenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | 1 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
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| | | |
|--|--|---|
| DAY ON TEST | | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 7 | |
| | | 3 | 3 | 3 | 3 | 3 | 9 | 4 | 2 | 2 | 8 | 6 | 1 | 0 | 3 | 3 | 3 | 2 | 2 | 2 | 5 | 1 | 1 | 3 | 3 |
| | | 1 | 0 | 0 | 0 | 1 | 5 | 0 | 9 | 9 | 7 | 7 | 0 | 5 | 4 | 4 | 4 | 9 | 9 | 9 | 7 | 0 | 7 | 4 | 4 |
| | | |
| FISCHER 344 RATS MALE
ANIMAL ID
516 MG/L | | 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 | |
| | | 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 | | |

| | |
|--|---|
| Basal Cell Adenoma | 1 |
| Keratoacanthoma | 1 |
| Squamous Cell Papilloma | 1 |
| Subcutaneous Tissue, Fibroma | 7 |
| Subcutaneous Tissue, Fibroma, Multiple | 1 |
| Subcutaneous Tissue, Fibrosarcoma | 1 |

MUSCULOSKELETAL SYSTEM

| | |
|-----------------|----|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Chordoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Osteosarcoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Skeletal Muscle |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

NERVOUS SYSTEM

| | |
|----------------------|----|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Leukemia Mononuclear |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Peripheral Nerve |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | + | 5 |
| Schwannoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

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 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| | | |
|-----------------------------------|--|-----------|
| DAY ON TEST | | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 7 | |
| | | 3 | 3 | 3 | 3 | 3 | 9 | 4 | 2 | 2 | 8 | 6 | 1 | 0 | 3 | 3 | 3 | 2 | 2 | 2 | 5 | 1 | 1 | 3 | 3 |
| | | 1 | 0 | 0 | 0 | 1 | 5 | 0 | 9 | 9 | 7 | 7 | 0 | 5 | 4 | 4 | 4 | 9 | 9 | 9 | 7 | 0 | 7 | 4 | 4 |
| <hr/> | | |
| FISCHER 344 RATS MALE
516 MG/L | | ANIMAL ID | 0 | |
| | | 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 | |
| | | 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 | | |

| | |
|-----|----|
| Eye | + | 49 |
|-----|----|

| | |
|---|---|
| Squamous Cell Carcinoma, Metastatic,
Oral Mucosa | 1 |
|---|---|

| | |
|-----------------|----|
| Harderian Gland | + | 49 |
|-----------------|----|

| | |
|---|---|
| Squamous Cell Carcinoma, Metastatic,
Oral Mucosa | 2 |
|---|---|

| | |
|----------------|---|
| Lacrimal Gland | 1 |
|----------------|---|

URINARY SYSTEM

| | |
|--------|----|
| Kidney | + | 49 |
|--------|----|

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--|---|--|--|--|--|---|--|--|---|--|--|--|--|--|--|--|--|---|--|--|--|--|--|---|
| Leukemia Mononuclear | | X | | | | | X | | | X | | | | | | | | | X | | | | | | 4 |
|----------------------|--|---|--|--|--|--|---|--|--|---|--|--|--|--|--|--|--|--|---|--|--|--|--|--|---|

| | |
|-----------------|----|
| Urinary Bladder | + | 49 |
|-----------------|----|

SYSTEMIC LESIONS

| | |
|----------------|----|
| Multiple Organ | + | 49 |
|----------------|----|

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--|---|---|--|--|--|---|--|--|---|---|---|--|--|---|---|--|---|--|---|---|---|---|--|----|
| Leukemia Mononuclear | | X | X | | | | X | | | X | X | X | | | X | X | | X | | X | X | X | X | | 19 |
|----------------------|--|---|---|--|--|--|---|--|--|---|---|---|--|--|---|---|--|---|--|---|---|---|---|--|----|

*** END OF MALE DATA ***

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

ALIMENTARY SYSTEM

| |
|---------------------------|
| Esophagus | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | + | A | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear |
| Intestine Large, Colon | + | + | + | A | + |
| Leukemia Mononuclear |
| Intestine Large, Rectum | + | + | + | A | + |
| Intestine Small, Duodenum | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leiomyoma | | | | X | |
| Intestine Small, Ileum | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + |
| Hepatocellular Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |
| Leukemia Mononuclear | | | | X | X | | | | | | | | | | | X | | X | | | | | | X | |
| Mesentery | | | | | | | + | | | | | | + | | + | | + | | | | | | + | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

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 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

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 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| | | | |
|-----------------------------------|--|-------|----------------------|
| DAY ON TEST | | 0 | 0 | | |
| | | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 4 | 7 | 5 | 7 | 7 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | |
| | | 0 | 0 | 3 | 3 | 8 | 3 | 3 | 3 | 8 | 3 | 8 | 3 | 3 | 8 | 3 | 1 | 1 | 3 | 3 | 3 | 3 | 5 | 3 | 0 | 3 | |
| | | 0 | 7 | 7 | 6 | 9 | 7 | 7 | 7 | 9 | 7 | 0 | 7 | 7 | 9 | 7 | 8 | 8 | 6 | 6 | 6 | 5 | 4 | 5 | 0 | 5 | |
| FISCHER 344 RATS FEMALE
0 MG/L | | | |
| | | 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 | females
(cont...) |

Oral Mucosa

+ +

Pancreas

+ +

Leukemia Mononuclear

X

Salivary Glands

+ +

Leukemia Mononuclear

X

Stomach, Forestomach

+ +

Leukemia Mononuclear

X

Stomach, Glandular

+ +

Leukemia Mononuclear

X

X

Tongue

+ + + + + + I + + + + + + + + + + + + + + + + + +

Squamous Cell Papilloma

X

CARDIOVASCULAR SYSTEM

Heart

+ +

Leukemia Mononuclear

X

Schwannoma Malignant

X

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
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 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| | | |
|-----------------------------------|--|-------------------|
| DAY ON TEST | | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 4 | 7 | 5 | 7 | 7 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 |
| | | 0 | 0 | 3 | 3 | 8 | 3 | 3 | 3 | 8 | 3 | 8 | 3 | 3 | 8 | 3 | 1 | 1 | 3 | 3 | 3 | 3 | 5 | 3 | 0 | 3 |
| | | 0 | 7 | 7 | 6 | 9 | 7 | 7 | 7 | 9 | 7 | 0 | 7 | 7 | 9 | 7 | 8 | 8 | 6 | 6 | 6 | 5 | 4 | 5 | 0 | 5 |
| FISCHER 344 RATS FEMALE
0 MG/L | | females (cont...) | |
| | | 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 |

ENDOCRINE SYSTEM

| |
|----------------------------------|
| Adrenal Cortex | + |
| Adenoma |
| Leukemia Mononuclear |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | X | X | | | | | | | | | | | X | | | | | | | X | |
| Pheochromocytoma Benign |
| Pheochromocytoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | |
| Islets, Pancreatic | + |
| Adenoma | | | | | | | | | | | | X | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + |
| Pituitary Gland | + |
| Leukemia Mononuclear | | | | | X | | | | | | | | | | | | X | | | | | | | |
| Pars Distalis, Adenoma | X | X | X | | | | X | X | X | | | X | X | X | | | | X | X | | X | X | X | |
| Pars Distalis, Adenoma, Multiple |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | X |
| Pars Distalis, Carcinoma |
| Thyroid Gland | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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 Lab: SRI

| | | | |
|-----------------------------------|--|-------|----------------------|
| DAY ON TEST | | 0 | 0 | | |
| | | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 4 | 7 | 5 | 7 | 7 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | |
| | | 0 | 0 | 3 | 3 | 8 | 3 | 3 | 3 | 8 | 3 | 8 | 3 | 3 | 8 | 3 | 1 | 1 | 3 | 3 | 3 | 3 | 5 | 3 | 0 | 3 | |
| | | 0 | 7 | 7 | 6 | 9 | 7 | 7 | 7 | 9 | 7 | 0 | 7 | 7 | 9 | 7 | 8 | 8 | 6 | 6 | 6 | 5 | 4 | 5 | 0 | 5 | |
| FISCHER 344 RATS FEMALE
0 MG/L | | | |
| | | 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 | females
(cont...) |

C-cell, Adenoma
 C-cell, Carcinoma

X X X X

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | |
|--|---|
| Clitoral Gland | + |
| Adenoma | | | | | X | | | | | | | | | | | | | | | | | | | |
| Carcinoma | | | | X | | | | | | | | X | X | | X | | | | | X | X | X | | |
| Leukemia Mononuclear | | | | | X | | | | | | | | | | | | | | | | | | | |
| Ovary | M | + |
| Uterus | M | + |
| Adenoma |
| Polyp Stromal | | | | | | | | | | | | X | | X | | | | | | X | | | | X |
| Schwannoma Malignant, Metastatic, Uterus | | | | | | | | | | | X | | | | | | | | | | | | | |
| Vagina | | | | + | | | | | | | + | | | | | | | | + | | | + | | |
| Leukemia Mononuclear |
| Schwannoma Malignant, Metastatic, | | | | | | | | | | | X | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
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 Lab: SRI

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

Vagina

HEMATOPOIETIC SYSTEM

| |
|-------------------------------------|
| Bone Marrow | + |
| Leukemia Mononuclear | | | | X | X | | | | | | | | | | | X | | | X | | | | | X | |
| Lymph Node | | + | + | + | + | | | | + | | | | | | | | | | | | | | | | + |
| Leukemia Mononuclear |
| Deep Cervical, Leukemia Mononuclear | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Leukemia Mononuclear | | | | X | X | |
| 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 |
| Lymph Node, Mesenteric | + |
| Leukemia Mononuclear | | | | X | X | | | | | | | | | | | | X | | | X | | | | X | |
| Lymph Node, Pancreatic | M | M | + | M | + | + | M | M | + | + | M | M | + | M | + | M | + | + | M | M | + | + | + | + | + |
| Leukemia Mononuclear | | | | | X | | | | | | | | | | | | X | | | | | | | | |
| Spleen | + |
| Leukemia Mononuclear | | | | X | X | | | | | | | | | | | | X | | | X | | | | X | |
| Thymus | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
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Lab: SRI

| | | | |
|--|--|-------------------|--|
| DAY ON TEST | | 0 | 0 | | |
| | | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 4 | 7 | 5 | 7 | 7 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | |
| | | 0 | 0 | 3 | 3 | 8 | 3 | 3 | 3 | 8 | 3 | 8 | 3 | 3 | 8 | 3 | 1 | 1 | 3 | 3 | 3 | 5 | 3 | 0 | 3 | |
| | | 0 | 7 | 7 | 6 | 9 | 7 | 7 | 7 | 9 | 7 | 0 | 7 | 7 | 9 | 7 | 8 | 8 | 6 | 6 | 6 | 5 | 4 | 5 | 0 | |
| | | | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
0 MG/L | | 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 | |
| | | 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...) | |

Leukemia MononuclearX X X

INTEGUMENTARY SYSTEM

| |
|------------------------------|
| Mammary Gland | + |
| Adenoma | | | | | | | | | | | | | X | | | | | | | | | | | |
| Fibroadenoma | | | | | | | | X | X | | | | | X | X | | | | X | | | | | |
| Fibroadenoma, Multiple | X | X | | X | | X | X | | | | | X | X | | X | | | X | | | X | X | | |
| Skin | + |
| Keratoacanthoma |
| Sebaceous Gland, Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | |
| Subcutaneous Tissue, Fibroma | |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

| | |
|--|---|
| Brain | + |
| Carcinoma, Metastatic, Pituitary Gland | |
| Leukemia Mononuclear |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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| | | |
|-----------------------------------|--|-------------------|
| DAY ON TEST | | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 4 | 7 | 5 | 7 | 7 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 |
| | | 0 | 0 | 3 | 3 | 8 | 3 | 3 | 3 | 8 | 3 | 8 | 3 | 3 | 8 | 3 | 1 | 1 | 3 | 3 | 3 | 3 | 5 | 3 | 0 | 3 |
| | | 0 | 7 | 7 | 6 | 9 | 7 | 7 | 7 | 9 | 7 | 0 | 7 | 7 | 9 | 7 | 8 | 8 | 6 | 6 | 6 | 5 | 4 | 5 | 0 | 5 |
| FISCHER 344 RATS FEMALE
0 MG/L | | females (cont...) | |
| | | 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 |

| |
|----------------------|
| Kidney | + |
| Leukemia Mononuclear | | | | | X | | | | | | | | | | | | X | | | | | | X | |
| Urinary Bladder | M | + |
| Leukemia Mononuclear | | | | | X | | | | | | | | | | | | | | | | | | | |

SYSTEMIC LESIONS

| |
|----------------------|
| Multiple Organ | + |
| Leukemia Mononuclear | | | | X | X | | | | | | | | | | | X | | X | | | | X | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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 Lab: SRI

| | |
|-----------------------------------|----------|
| DAY ON TEST | 0 | 0 |
| | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 |
| | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 9 | 2 | 3 | 3 | 1 | 3 | 3 | 2 | 3 | 3 | 3 |
| | 5 | 1 | 7 | 7 | 7 | 6 | 6 | 4 | 6 | 6 | 7 | 7 | 7 | 7 | 5 | 1 | 7 | 7 | 8 | 7 | 5 | 3 | 5 | 5 | 5 |
| FISCHER 344 RATS FEMALE
0 MG/L | |
| | 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 | |

| | |
|-------------------------|----|
| Oral Mucosa | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | X | | | | | | | 3 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 |
| Tongue | + | M | + | + | + | + | + | + | + | I | + | + | + | I | + | + | + | + | + | + | + | + | + | I | 45 |
| Squamous Cell Papilloma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

CARDIOVASCULAR SYSTEM

| | |
|----------------------|----|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | X | | | | | | 2 |
| Schwannoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
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 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

Vagina

HEMATOPOIETIC SYSTEM

| | |
|-------------------------------------|----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | X | | | | | | | 7 |
| Lymph Node | | | | | | | | | | | | | | | | | | | + | | | + | | | | 8 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | X | | | | | | | 1 |
| Deep Cervical, Leukemia Mononuclear |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | X | | | | | | | 3 |
| 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 | 4 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | X | | | | | | | 7 |
| Lymph Node, Pancreatic | + | + | + | M | M | + | M | M | M | + | + | + | M | + | + | + | M | + | + | M | M | + | + | M | + | 29 |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | X | | | | | | | 4 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | X | | | | X | | | | | | | 8 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

| | | |
|----------------------|---|----------|
| Leukemia Mononuclear | X | 4 |
|----------------------|---|----------|

INTEGUMENTARY SYSTEM

| | |
|------------------------------|-----------|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Adenoma | | | | | | | | | | | | | | | X | | | | | | | | | | | 2 |
| Fibroadenoma | | X | | | | X | | | | X | | X | X | | | X | | X | | | X | | | | | 13 |
| Fibroadenoma, Multiple | | | X | X | | | | X | X | X | | X | | | | X | | X | | X | X | | X | X | X | 24 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Keratoacanthoma | | | | | | | | | | X | | | | | | | | | | | | | | | | 1 |
| Sebaceous Gland, Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Subcutaneous Tissue, Fibroma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | 1 |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

| | |
|--|-----------|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Carcinoma, Metastatic, Pituitary Gland |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | 1 |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | X | | | | | | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Reqsted: 10/04/2007
Time Report Reqsted: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

RESPIRATORY SYSTEM

| | |
|------------------------------|----|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | X | | | | | | | | | X | | 4 |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | X | | | | | | 5 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

SPECIAL SENSES SYSTEM

| | |
|----------------------|----|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Lacrimal Gland | | | | | | | | | | | | | | | | | | | + | | | | | | 1 |
| Zymbal's Gland | | | | | | | | | | | | | | | | | | + | | | | | | | 1 |
| Carcinoma | | | | | | | | | | | | | | | | | | X | | | | | | | 1 |

URINARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SR|

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

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 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | 0 |
|--------------------------------------|
| | 7 | 6 | 6 | 7 | 6 | 7 | 6 | 6 | 6 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 |
| FISCHER 344 RATS FEMALE
14.3 MG/L | 3 | 5 | 8 | 3 | 1 | 3 | 3 | 0 | 4 | 3 | 6 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 6 | 3 | 3 | 3 | 6 | 3 |
| | 4 | 7 | 9 | 4 | 8 | 7 | 2 | 5 | 6 | 7 | 1 | 0 | 5 | 5 | 5 | 6 | 6 | 6 | 8 | 0 | 5 | 5 | 2 | 7 | 5 |
| ANIMAL ID | 0 |
| | 0 |
| 14.3 MG/L | 3 |
| | 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 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + |
| Leukemia Mononuclear |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + |
| Adenoma |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Intestine Small, Jejunum | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + |
| Leukemia Mononuclear |
| Liver | + |
| Hepatocellular Adenoma |
| Leukemia Mononuclear | X | | X | | | | X | X | | | | X | | | | | | X | X | | | | | X | |
| Pheochromocytoma Malignant, | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

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 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | | 0 | 0 | | |
|--------------------------------------|--|-----------|----------------------|
| | | 7 | 6 | 6 | 7 | 6 | 7 | 6 | 6 | 6 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | | |
| | | 3 | 5 | 8 | 3 | 1 | 3 | 3 | 0 | 4 | 3 | 6 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 6 | 3 | 3 | 3 | 6 | 3 | |
| | | 4 | 7 | 9 | 4 | 8 | 7 | 2 | 5 | 6 | 7 | 1 | 0 | 5 | 5 | 5 | 6 | 6 | 6 | 8 | 0 | 5 | 5 | 2 | 7 | 5 | |
| FISCHER 344 RATS FEMALE
14.3 MG/L | | 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 | 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...)

Metastatic, Adrenal Medulla

| | | |
|-------------------------|---|--|
| Mesentery | + | |
| Oral Mucosa | + | |
| Pancreas | + | |
| Leukemia Mononuclear | X X | |
| Salivary Glands | + | |
| Stomach, Forestomach | + | |
| Leukemia Mononuclear | X | |
| Stomach, Glandular | + | |
| Tongue | + | |
| Squamous Cell Papilloma | M | |
| Tooth | | |

CARDIOVASCULAR SYSTEM

| | | |
|----------------------|---|--|
| Heart | + | |
| Leukemia Mononuclear | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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 BLANK .. Not examined microscopically

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 Lab: SRI

| DAY ON TEST | | 0 | 0 | |
|--------------------------------------|--|-------------------|
| | | 7 | 6 | 6 | 7 | 6 | 7 | 6 | 6 | 6 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | |
| | | 3 | 5 | 8 | 3 | 1 | 3 | 3 | 0 | 4 | 3 | 6 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 6 | 3 | 3 | 3 | 6 | 3 |
| | | 4 | 7 | 9 | 4 | 8 | 7 | 2 | 5 | 6 | 7 | 1 | 0 | 5 | 5 | 5 | 6 | 6 | 6 | 8 | 0 | 5 | 5 | 2 | 7 | 5 |
| FISCHER 344 RATS FEMALE
14.3 MG/L | | 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 | 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...) | |

Schwannoma Malignant

X

ENDOCRINE SYSTEM

Adrenal Cortex

+ +

Adenoma

X

Leukemia Mononuclear

X

Adrenal Medulla

+ +

Leukemia Mononuclear

X

X

Pheochromocytoma Benign

Pheochromocytoma Benign, Multiple

Pheochromocytoma Malignant

Pheochromocytoma Malignant, Multiple

Islets, Pancreatic

+ +

Adenoma

X

Parathyroid Gland

+ + + + + + + + + + + + + M + + + + M + + + + + +

Pituitary Gland

+ +

Leukemia Mononuclear

X

X

Pars Distalis, Adenoma

X X X X X X

X

X X X X

X X

Pars Distalis, Carcinoma

X

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
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| DAY ON TEST | | 0 | 0 | |
|--------------------------------------|---|-------------------|
| | | 7 | 6 | 6 | 7 | 6 | 7 | 6 | 6 | 6 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | |
| | | 3 | 5 | 8 | 3 | 1 | 3 | 3 | 0 | 4 | 3 | 6 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 6 | 3 | 3 | 3 | 6 | 3 |
| | | 4 | 7 | 9 | 4 | 8 | 7 | 2 | 5 | 6 | 7 | 1 | 0 | 5 | 5 | 5 | 6 | 6 | 6 | 8 | 0 | 5 | 5 | 2 | 7 | 5 |
| FISCHER 344 RATS FEMALE
14.3 MG/L | | females (cont...) | |
| | | 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 | 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 | | |

| |
|----------------------------|
| Thyroid Gland | + |
| C-cell, Adenoma | | | | | | | | | | | | | | | | | | | X | | X | | | | X |
| Follicular Cell, Carcinoma | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| |
|-----------------------------|
| Clitoral Gland | + |
| Adenoma | | | X | | | X | | | | | | | | | | | X | | | | | | | | |
| Carcinoma | | | | | | | | X | | | | | X | | | | X | | | X | | | X | | |
| Carcinoma, Multiple | | | | X | | | | | | | | | | X | | | | | | | | | | | |
| Fibrosarcoma | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Ovary | + |
| Granulosa Cell Tumor Benign |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | |
| Leukemia Mononuclear | | | | | | | | X | | | | X | | | | | | | | | | | | | |
| Uterus | + |
| Leukemia Mononuclear |
| Polyp Stromal | | X | X | | | | | X | | | | | | | | | X | | | X | | | | | X |

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 + .. Tissue examined microscopically
 x .. Lesion present
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 Lab: SRI

| DAY ON TEST | 0 |
|--|---|
| | 7 | 6 | 6 | 7 | 6 | 7 | 6 | 6 | 6 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 |
| | 3 | 5 | 8 | 3 | 1 | 3 | 3 | 0 | 4 | 3 | 6 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 6 | 3 | 3 | 3 | 6 | 3 |
| | 4 | 7 | 9 | 4 | 8 | 7 | 2 | 5 | 6 | 7 | 1 | 0 | 5 | 5 | 5 | 6 | 6 | 6 | 8 | 0 | 5 | 5 | 2 | 7 | 5 |
| | |
| FISCHER 344 RATS FEMALE
14.3 MG/L | 0 |
| | 0 |
| | 3 |
| | 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 |
| ANIMAL ID | 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 |
| | |
| Spleen | + |
| Leukemia Mononuclear | X | | X | | | | X | X | | | | X | | | | | | X | X | | | | | X | |
| Pheochromocytoma Malignant,
Metastatic, Adrenal Medulla | |
| | |
| Thymus | + |
| Leukemia Mononuclear | | | | | | | X | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | |
|--|---|
| Mammary Gland | + |
| Adenoma | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | | X | X | | | | | | | | | |
| Fibroadenoma | | | | | X | X | X | | | | X | X | X | X | | | | X | X | X | | | | | X |
| Fibroadenoma, Multiple | | | | | | | | | | | | | | | X | X | | | | | X | X | | | |
| | |
| Skin | + |
| Basal Cell Carcinoma | X | |
| Subcutaneous Tissue, Fibrosarcoma | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Lipoma | | | | | | | | | | | | | X | | | | | | | | | | | | |
| Subcutaneous Tissue, Schwannoma
Malignant | |

MUSCULOSKELETAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
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First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

Bone +

NERVOUS SYSTEM

Brain +
Carcinoma, Metastatic, Pituitary Gland X
Leukemia Mononuclear
Peripheral Nerve
Spinal Cord

RESPIRATORY SYSTEM

Lung +
Alveolar/Bronchiolar Adenoma X X
Carcinoma, Metastatic, Clitoral Gland X
Leukemia Mononuclear X X X X
Nose +
Trachea +

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
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Lab: SRI

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

SPECIAL SENSES SYSTEM

| |
|-----------------|
| Eye | + |
| Harderian Gland | + |

URINARY SYSTEM

| |
|----------------------|
| Kidney | + |
| Leukemia Mononuclear | X | | | | | | | X | | | | X | | | | | | | | | | | | | |
| Urinary Bladder | + |

SYSTEMIC LESIONS

| |
|----------------------|
| Multiple Organ | + |
| Leukemia Mononuclear | X | | X | | | | X | X | | | | X | | | | | | X | X | | | | | X | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | | 0 | | | |
|--------------------------------------|--|----------|
| | | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | |
| | | 3 | 5 | 3 | 3 | 3 | 3 | 1 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 6 | 8 | 3 | 3 | 3 | 3 | 7 | 3 | |
| | | 6 | 4 | 6 | 6 | 6 | 5 | 8 | 7 | 5 | 5 | 6 | 6 | 6 | 6 | 8 | 4 | 4 | 7 | 6 | 4 | 7 | 7 | 7 | 1 | 7 | |
| FISCHER 344 RATS FEMALE
14.3 MG/L | | |
| | | 0 | | |
| | | 0 | | |
| | | 3 | | |
| | | 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 | |
| ANIMAL ID | | 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 |

Schwannoma Malignant

1

ENDOCRINE SYSTEM

| | |
|--------------------------------------|----|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | X | | X | | | | | | 3 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 |
| Pheochromocytoma Benign | | | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Pheochromocytoma Benign, Multiple | | | | | | | | | | | | X | | | | | | | | | | | | | | 1 |
| Pheochromocytoma Malignant | | | | | | | | X | | | | | | | | | | | | | | | | | | 1 |
| Pheochromocytoma Malignant, Multiple | | | | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Parathyroid Gland | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | X | | | | | | | 3 |
| Pars Distalis, Adenoma | X | X | X | | X | X | X | | X | X | | | X | | X | X | X | | X | | | | X | X | X | 29 |
| Pars Distalis, Carcinoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| | | |
|-------------------------|-------------|----------|
| | DAY ON TEST | 0 | 0 | |
| | | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 6 | 7 |
| | | 3 | 5 | 3 | 3 | 3 | 3 | 1 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 6 | 8 | 3 | 3 | 3 | 7 | 3 |
| | | 6 | 4 | 6 | 6 | 6 | 5 | 8 | 7 | 5 | 5 | 6 | 6 | 6 | 6 | 8 | 4 | 4 | 7 | 6 | 4 | 7 | 7 | 7 | 1 |
| | | |
| FISCHER 344 RATS FEMALE | 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 |
| 14.3 MG/L | | * TOTALS | |

| | |
|----------------------------|----|
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| C-cell, Adenoma | | | | | | | | | X | | | | | | | | | | | | | X | | | 5 |
| Follicular Cell, Carcinoma | | | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | |
|-----------------------------|----|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Adenoma | | | | X | | | | | | X | | | X | X | | X | | | | X | | | | | 9 |
| Carcinoma | | | | | | X | | | | | | | | | | | X | | | X | | | | | 8 |
| Carcinoma, Multiple | | | | | | | | | | | | X | | | | | | | | | | | | | 3 |
| Fibrosarcoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Granulosa Cell Tumor Benign |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Leukemia Mononuclear |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | X | | | | | | | | | | | | | | | | | | X | | | | | 2 |
| Polyp Stromal | | X | | | | X | X | | X | X | X | | | | | | | | | | | X | X | | 14 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| | |
|--------------------------------------|----------|
| DAY ON TEST | 0 | | |
| | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | |
| | 3 | 5 | 3 | 3 | 3 | 3 | 1 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 6 | 8 | 3 | 3 | 3 | 3 | 7 | 3 | |
| | 6 | 4 | 6 | 6 | 6 | 5 | 8 | 7 | 5 | 5 | 6 | 6 | 6 | 6 | 8 | 4 | 4 | 7 | 6 | 4 | 7 | 7 | 7 | 1 | 7 | |
| FISCHER 344 RATS FEMALE
14.3 MG/L | 0 | |
| | 0 | |
| | 3 | |
| | 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 |

Polyp Stromal, Multiple

1

Vagina

+

+

+

+

+

12

Polyp

1

HEMATOPOIETIC SYSTEM

Bone Marrow

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

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+

+

+

+

+

+

+

+

50

Leukemia Mononuclear

X

X

X

10

Pheochromocytoma Malignant,
Metastatic, Adrenal Medulla

X

1

Lymph Node

+

+

+

+

+

11

Deep Cervical, Leukemia Mononuclear

X

1

Mediastinal, Leukemia Mononuclear

X

X

4

Lymph Node, Mandibular

M

M

M

M

M

M

M

M

M

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M

0

Lymph Node, Mesenteric

+

+

+

+

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+

+

+

+

+

+

+

50

Leukemia Mononuclear

X

X

X

X

X

11

Lymph Node, Pancreatic

+

+

M

+

M

+

M

+

+

+

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+

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+

+

+

+

+

+

M

+

+

36

Leukemia Mononuclear

X

X

4

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| FISCHER 344 RATS FEMALE
14.3 MG/L | | DAY ON TEST | |
|--|--|-------------|----|
| | | 0 | 0 | |
| | | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 7 |
| | | 3 | 5 | 3 | 3 | 3 | 3 | 1 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 6 | 8 | 3 | 3 | 3 | 3 | 7 | 3 |
| | | 6 | 4 | 6 | 6 | 6 | 5 | 8 | 7 | 5 | 5 | 6 | 6 | 6 | 6 | 8 | 4 | 4 | 7 | 6 | 4 | 7 | 7 | 7 | 1 | 7 |
| ANIMAL ID | | 0 | 0 |
| | | 0 | 0 |
|  |  | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 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 | 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 | |
| Spleen |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | X | X | X | | | | X | X | | | | X | | | | X | X | | X | | X | | | 18 |
| Pheochromocytoma Malignant,
Metastatic, Adrenal Medulla | | | | | X | | 1 |
| Thymus |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | 49 |
| Leukemia Mononuclear | | | X | | | | | | | | | | | | | | | | X | | X | | | | | 4 |

INTEGUMENTARY SYSTEM

| | |
|--|----|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Carcinoma | | | | | | | | | | | | | | | | | | X | | | | | | | | 3 |
| Fibroadenoma | X | | | | | X | X | | X | | | | | | | | | | X | | | | | | | 16 |
| Fibroadenoma, Multiple | | | X | | X | | | | | | X | X | X | X | X | | | X | | X | X | | | X | | 15 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Basal Cell Carcinoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Subcutaneous Tissue, Fibrosarcoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Subcutaneous Tissue, Lipoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Subcutaneous Tissue, Schwannoma
Malignant | | | | | | X | | | | | | | | | | | | | | | | | | | | 1 |

MUSCULOSKELETAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| | | |
|-------------------------|-------------|----------|
| | DAY ON TEST | 0 | | |
| | | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | | |
| | | 3 | 5 | 3 | 3 | 3 | 3 | 1 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 6 | 8 | 3 | 3 | 3 | 7 | 3 | | |
| | | 6 | 4 | 6 | 6 | 6 | 5 | 8 | 7 | 5 | 5 | 6 | 6 | 6 | 6 | 8 | 4 | 4 | 7 | 6 | 4 | 7 | 7 | 7 | 1 | 7 | |
| FISCHER 344 RATS FEMALE | | |
| | ANIMAL ID | 0 | | |
| | | 0 | | |
| | | 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 | | |
| 14.3 MG/L | | 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 | + | 50 |
|------|----|

NERVOUS SYSTEM

| | |
|--|----|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Carcinoma, Metastatic, Pituitary Gland |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Leukemia Mononuclear | | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Peripheral Nerve | | | | | | | | | | | | | | | + | | | | | | | + | | | 2 |
| Spinal Cord | | | | | | | | | | | | | | | + | | | | | | | + | | | 2 |

RESPIRATORY SYSTEM

| | |
|---------------------------------------|----|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Alveolar/Bronchiolar Adenoma | | | | | | | X | | | | | | | | | | | | | | | | | | 3 |
| Carcinoma, Metastatic, Clitoral Gland |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Leukemia Mononuclear | | X | X | | | | | X | | | | | | | | | X | | | | | | | | 8 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Reqsted: 10/04/2007
Time Report Reqsted: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

| | | |
|---|----------|----------|
| DAY ON TEST | 0 | * TOTALS | |
| | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | | 7 |
| | 3 | 5 | 3 | 3 | 3 | 3 | 1 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 6 | 8 | 3 | 3 | 3 | 3 | 7 | | 3 |
| | 6 | 4 | 6 | 6 | 6 | 5 | 8 | 7 | 5 | 5 | 6 | 6 | 6 | 6 | 8 | 4 | 4 | 7 | 6 | 4 | 7 | 7 | 7 | 1 | | 7 |
| | | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
14.3 MG/L | 0 | * TOTALS | |
| | 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 | 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 |

SPECIAL SENSES SYSTEM

| | |
|-----------------|----|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

URINARY SYSTEM

| | |
|----------------------|----|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

SYSTEMIC LESIONS

| | |
|----------------------|----|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | X | X | X | | | | X | X | | | | X | | | | | X | X | | X | | X | | | 18 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| |
|--------------------------------------|
| DAY ON TEST | 0 |
| | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 |
| | 3 | 3 | 3 | 8 | 6 | 0 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 8 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 3 |
| | 6 | 6 | 6 | 9 | 7 | 2 | 6 | 6 | 6 | 6 | 7 | 4 | 7 | 7 | 7 | 1 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 |
| FISCHER 344 RATS FEMALE
57.3 MG/L | 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 |
| | 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...) |

ALIMENTARY SYSTEM

| |
|---------------------------|
| Esophagus | + |
| Intestine Large, Cecum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + |
| Intestine Large, Rectum | + |
| Intestine Small, Duodenum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | X | | | | X | | | | | | | | | | | | | | | | | |
| Intestine Small, Jejunum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + |
| Liver | + |
| Leukemia Mononuclear | | | X | | X | X | X | | | X | | | | | | | X | | | | | | | |
| Mesentery | | | + | + | | | | | | | | | | + | + | + | | | | | + | | | |
| Leukemia Mononuclear | | | X | |
| Oral Mucosa | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| | | FISCHER 344 RATS FEMALE | | females
(cont...) |
|----------------------|--|-------------------------|----------------------|
| | | 57.3 MG/L | |
| | | ANIMAL ID | |
| | | DAY ON TEST | |
| | | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
6
8
9 | 0
6
6
7 | 0
6
0
2 | 0
7
3
6 | 0
7
3
6 | 0
7
2
6 | 0
7
3
6 | 0
7
3
6 | 0
5
3
4 | 0
7
3
7 | 0
6
8
7 | 0
6
7
1 | 0
6
3
6 | 0
7
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3
6 | 0
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6 | 0
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6 | 0
4
5
4 | 0
7
3
6 | | |
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3
5
1 | 0
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2 | 0
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5
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4 | 0
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7 | 0
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8 | 0
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9 | 0
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1 | 0
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3 | 0
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4 | 0
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5 | 0
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6
6 | 0
0
3
6
7 | 0
0
3
6
8 | 0
0
3
6
9 | 0
0
3
7
0 | 0
0
3
7
1 | 0
0
3
7
2 | 0
0
3
7
3 | 0
0
3
7
4 | 0
0
3
7
5 | |
| Pancreas | | + | + | | |
| Mixed Tumor Benign | | X | |
| Salivary Glands | | + | + | | |
| Stomach, Forestomach | | + | + | | |
| Stomach, Glandular | | + | + | | |
| Tongue | | + | + | M | + | + | | |

CARDIOVASCULAR SYSTEM

| |
|-------|
| Heart | + |
|-------|

ENDOCRINE SYSTEM

| | |
|----------------------------|-----|
| Adrenal Cortex | + | + |
| Leukemia Mononuclear | X |
| Adrenal Medulla | + | + |
| Leukemia Mononuclear | X X | |
| Pheochromocytoma Benign | X |
| Pheochromocytoma Malignant | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Reqsted: 10/04/2007
Time Report Reqsted: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

| | | | |
|---|--|-------------------|--|
| DAY ON TEST | | 0 | 0 | | |
| | | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | | |
| | | 3 | 3 | 3 | 8 | 6 | 0 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 8 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | | |
| | | 6 | 6 | 6 | 9 | 7 | 2 | 6 | 6 | 6 | 6 | 7 | 4 | 7 | 7 | 7 | 1 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | | |
| | | | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
57.3 MG/L | | 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 | | |
| | | 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...) | |

Islets, Pancreatic
Adenoma

+
X

Parathyroid Gland

+ +

Pituitary Gland

+ +

Leukemia Mononuclear
Pars Distalis, Adenoma

X
X X X X X X X X X X X X X X X X X X

Thyroid Gland

+ +

C-cell, Adenoma
Follicular Cell, Carcinoma

X X X X X X X X X X X X X X X X X X

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

Clitoral Gland

+ +

Adenoma

X X X X X X X X X X X X X X X X X X

Carcinoma

X X X X X X X X X X X X X X X X X X

Ovary

+ +

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
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 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | 0 |
|--------------------------------------|
| | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 |
| FISCHER 344 RATS FEMALE
57.3 MG/L | 3 | 3 | 3 | 8 | 6 | 0 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 8 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 3 |
| | 6 | 6 | 6 | 9 | 7 | 2 | 6 | 6 | 6 | 6 | 7 | 4 | 7 | 7 | 7 | 1 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 6 |
| ANIMAL ID | 0 |
| | 0 |
| 57.3 MG/L | 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 |
| females (cont...) | 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 |
| |

| |
|-------------------------|
| Leukemia Mononuclear | X | |
| Uterus | + |
| Leiomyosarcoma |
| Polyp Stromal | | | X | | | | | | | X | | | | X | | | X | | X | | X | | | | |
| Polyp Stromal, Multiple | |
| Schwannoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | |
| Vagina | | | | | + | | | + | | | + | | | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| |
|-----------------------------------|
| Bone Marrow | + |
| Leukemia Mononuclear | | | X | | X | X | | | | | | | | | | | X | | | | | | | | |
| Lymph Node | | | + | | + | + | | | | | | | | | | | + | | | | | | | | |
| Mediastinal, Leukemia Mononuclear | | | X | | | | | | | | | | | | | | X | | | | | | | | |
| Pancreatic, Leukemia Mononuclear | |
| Renal, Leukemia Mononuclear | | | | | | X | | | | | | | | | | | | | | | | | | | |
| 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 |
| Lymph Node, Mesenteric | + |
| Leukemia Mononuclear | | | X | | | X | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
Test Type: CHRONIC
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Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
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First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

| | |
|----------------------|--|
| Brain | + | |
| Leukemia Mononuclear | |
| Peripheral Nerve | + | |
| Spinal Cord | + | |

RESPIRATORY SYSTEM

| |
|------------------------------|
| Lung | + |
| Alveolar/Bronchiolar Adenoma | X | |
| Leukemia Mononuclear | | | X | | | X | | | | | | | | | | | | | | | | | | |
| Nose | + |
| Trachea | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

ALIMENTARY SYSTEM

| | |
|---------------------------|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | M | + | A | + | + | A | A | + | + | A | + | + | + | + | + | + | + | + | 44 |
| Leukemia Mononuclear |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Intestine Small, Jejunum | + | A | + | + | + | + | + | A | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | X | | | | X | | | X | X | | | X | X | | X | | | | | | | | | | | 13 |
| Mesentery | + | | | | + | | | | | | | | + | + | | | | | + | | + | | | | | 12 |
| Leukemia Mononuclear |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Oral Mucosa | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

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 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | 0 | 0 |
|--------------------------------------|----------|----|
| | 5 | 7 | 7 | 7 | 5 | 7 | 7 | 5 | 7 | 6 | 7 | 7 | 6 | 5 | 7 | 7 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| FISCHER 344 RATS FEMALE
57.3 MG/L | 7 | 1 | 3 | 3 | 5 | 3 | 3 | 8 | 3 | 5 | 3 | 3 | 5 | 7 | 3 | 3 | 6 | 3 | 8 | 8 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 3 | 5 | 5 | 5 | 4 | 4 | 4 | 6 | 4 | 9 | 4 | 4 | 7 | 1 | 4 | 7 | 2 | 7 | 9 | 9 | 5 | 5 | 5 | 5 | 5 | 5 |
| ANIMAL ID | 0 | 0 |
| | 0 | 0 |
| 57.3 MG/L | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
| 6 | 7 | 8 | 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Leukemia Mononuclear | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leiomyosarcoma | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Polyp Stromal | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 13 |
| Polyp Stromal, Multiple | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Schwannoma Malignant | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Vagina | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |

HEMATOPOIETIC SYSTEM

| | |
|-----------------------------------|----|
| Bone Marrow | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Leukemia Mononuclear | X | | | | | | | X | | | | X | | | | | | | | | | | | | | 7 |
| Lymph Node | + | + | | | | | | + | | | | | | | | | + | | + | | | | | | | 9 |
| Mediastinal, Leukemia Mononuclear | X | | | | | | | X | | | | | | | | | | | | | | | | | | 4 |
| Pancreatic, Leukemia Mononuclear | X | | | | | | | X | | | | | | | | | | | | | | | | | | 2 |
| Renal, Leukemia Mononuclear |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| 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 | M | 3 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | | | | | X | | | | | X | | X | | | | | | | | | | | 5 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

| | |
|----------------------|----|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Peripheral Nerve |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 |
| Spinal Cord |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 |

RESPIRATORY SYSTEM

| | |
|------------------------------|----|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Alveolar/Bronchiolar Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Leukemia Mononuclear | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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Lab: SR|

TDMS No. 20114 - 07
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 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
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 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | | 0 | 0 | |
|-------------------------------------|--|-------------------|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 5 | 5 | 7 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | |
| | | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 9 | 4 | 6 | 6 | 6 | 3 | 6 | 7 | 7 | 9 | 7 | 7 | 4 | 4 | 1 | 0 | 4 |
| FISCHER 344 RATS FEMALE
172 MG/L | | |
| | | 0 | 0 | |
| | | 0 | 0 | |
| | | 4 | 4 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | |
| ANIMAL ID | | 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 | + | + |
| Intestine Large, Colon | + |
| Intestine Large, Rectum | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + |
| Liver | + |
| Leukemia Mononuclear | | | | | | | | | X | | X | | | X | | | X | | | | | X | | X | |
| Mesentery | | + | | | | | | | | | | | + | | | | + | | | | | | + | + | |
| Sarcoma |
| Oral Mucosa | + |
| Squamous Cell Carcinoma |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
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 Lab: SRI

| | | 0 | 0 |
|-------------------------|--|-------------------|
| DAY ON TEST | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 5 | 5 | 7 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | |
| | | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 9 | 4 | 6 | 6 | 6 | 3 | 6 | 7 | 7 | 9 | 7 | 7 | 4 | 4 | 1 | 0 | 4 |
| | | |
| FISCHER 344 RATS FEMALE | | 0 | 0 | |
| ANIMAL ID | | 0 | 0 | |
| 172 MG/L | | 4 | 4 | |
| | | 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...) | |
| Pancreas | | + | + | |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| | | |
| Salivary Glands | | + | + | |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| | | |
| Stomach, Forestomach | | + | + | |
| Leukemia Mononuclear | | |
| | | |
| Stomach, Glandular | | + | + | |
| | | |
| Tongue | | + | + | + | + | + | + | I | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Squamous Cell Carcinoma | | |
| | | |
| Tooth | | |

CARDIOVASCULAR SYSTEM

| | | |
|----------------------|--|---|
| Heart | | + |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | X | | |

ENDOCRINE SYSTEM

| | | |
|----------------|--|---|
| Adrenal Cortex | | + |
|----------------|--|---|

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
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 Lab: SRI

| | | DAY ON TEST | | |
|----------------------------------|--|-------------|----------------------|--|
| | | 0 | 0 | | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 5 | 5 | 7 | | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | | | |
| | | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 9 | 4 | 6 | 6 | 6 | 3 | 6 | 7 | 7 | 9 | 7 | 7 | 4 | 4 | 1 | 0 | 4 | | |
| FISCHER 344 RATS FEMALE | | | | |
| 172 MG/L | | ANIMAL ID | | |
| | | 0 | 0 | | | |
| | | 0 | 0 | | | |
| | | 4 | 4 | | | |
| | | 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...) | |
| Leukemia Mononuclear | | | | |
| | | | | |
| Adrenal Medulla | | + | + | | | |
| Leukemia Mononuclear | | | | |
| Pheochromocytoma Benign | | | | |
| Pheochromocytoma Malignant | | | | |
| | | | | |
| Islets, Pancreatic | | + | + | | | |
| Adenoma | | | | |
| Adenoma, Multiple | | | | |
| | | | | |
| Parathyroid Gland | | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | | | |
| | | | | |
| Pituitary Gland | | + | + | | | |
| Leukemia Mononuclear | | | | |
| Pars Distalis, Adenoma | | | | |
| Pars Distalis, Adenoma, Multiple | | | | |
| Pars Distalis, Carcinoma | | | | |
| | | | | |
| Thyroid Gland | | + | + | | | |
| C-cell, Adenoma | | | | |
| C-cell, Carcinoma | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

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 Species/Strain: RATS/F 344

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 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| | | FISCHER 344 RATS FEMALE | | females
(cont...) |
|--|--|-------------------------|----------------------|
| | | 172 MG/L | |
| | | ANIMAL ID | |
| | | DAY ON TEST | |
| | | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 5 | 5 | 7 | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | | |
| | | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 9 | 4 | 6 | 6 | 6 | 3 | 6 | 7 | 7 | 9 | 7 | 7 | 4 | 4 | 1 | 0 | 4 | |
| | | FISCHER 344 RATS FEMALE | |
| | | 172 MG/L | |
| | | ANIMAL ID | |
| | | 0 | 0 | |
| | | 0 | 0 | |
| | | 4 | 4 | |
| | | 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 | |
| | | 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...)

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland

+ +

Adenoma

X

Carcinoma

Ovary

+ +

Granulosa Cell Tumor Benign

X

Oviduct

Uterus

+ +

Leukemia Mononuclear

Polyp Stromal

X X

X

X X

X

X

Polyp Stromal, Multiple

X

Schwannoma Malignant

Vagina

+

+

+

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | | 0 | 0 | |
|-------------------------------------|--|-------------------|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 5 | 5 | 7 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | |
| | | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 9 | 4 | 6 | 6 | 6 | 3 | 6 | 7 | 7 | 9 | 7 | 7 | 4 | 4 | 1 | 0 | 4 |
| FISCHER 344 RATS FEMALE
172 MG/L | | |
| | | 0 | 0 | |
| | | 0 | 0 | |
| | | 4 | 4 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | |
| ANIMAL ID | | 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
 Leukemia Mononuclear

+
 X X X

Lymph Node

+ +

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

Lymph Node, Mesenteric
 Leukemia Mononuclear

+
 X X X X X

Lymph Node, Pancreatic
 Leukemia Mononuclear

+ M + + + M + + M + M + + + + + M + M M M + + + +
 X

Spleen
 Leukemia Mononuclear

+
 X X X X X

Thymus
 Leukemia Mononuclear

+
 X

INTEGUMENTARY SYSTEM

Mammary Gland
 Carcinoma

+
 X

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| | | |
|--|--|-------------------|
| DAY ON TEST | | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 5 | 5 | 7 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 8 | 3 |
| | | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 9 | 4 | 6 | 6 | 6 | 3 | 6 | 7 | 7 | 9 | 7 | 7 | 4 | 4 | 1 | 0 | 4 |
| FISCHER 344 RATS FEMALE
172 MG/L
ANIMAL ID | | |
| | | 0 | 0 |
| | | 0 | 0 |
| | | 4 | 4 |
| | | 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...) | |

| | | |
|--|--|---|
| Fibroadenoma | | | | X | | | | X | | | X | X | | | | X | X | | | | X | | | | |
| Fibroadenoma, Multiple | | | | | X | | | | | | | X | X | | X | | | | | | X | | | X | |
| Skin | | + |
| Subcutaneous Tissue, Fibroma | | |
| Subcutaneous Tissue, Fibroma, Multiple | | | | | | | | | | | | | | | | | | | | X | | | | | |
| Subcutaneous Tissue, Lipoma | | |
| Subcutaneous Tissue, Sarcoma | | |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

| | | |
|--|--|---|
| Brain | | + |
| Carcinoma, Metastatic, Pituitary Gland | | | | | | | | | | | | | | | | | | | | X | | | | | |
| Leukemia Mononuclear |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | |
| Peripheral Nerve | | | | | | | | | | + | | | | | | | | | | | | | | | |
| Spinal Cord | | | | | | | | | | + | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

172 MG/L | ANIMAL ID | 0 | 0 | |
| | | 0 | 0 | |
| | | 4 | 4 | |
| | | 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 |
| | | females (cont...) | |

RESPIRATORY SYSTEM

| |
|------------------------------|
| Larynx |
| Lung | + |
| Alveolar/Bronchiolar Adenoma | | | | X | | | | | | | | | | | | | | | | X | | | | | |
| Leukemia Mononuclear | | | | | | | | | X | | | | | X | | | | | | | | X | | X | |
| Nose | + |
| Trachea | + |

SPECIAL SENSES SYSTEM

| | |
|--|---|
| Eye | + |
| Harderian Gland | + |
| Adenoma | | | | | X | |
| Squamous Cell Carcinoma, Metastatic, Oral Mucosa | |
| Lacrimal Gland |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Reqsted: 10/04/2007
Time Report Reqsted: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

URINARY SYSTEM

| |
|----------------------|
| Kidney | + |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | X | | |
| Urinary Bladder | + |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | | |

SYSTEMIC LESIONS

| |
|----------------------|
| Multiple Organ | + |
| Leukemia Mononuclear | | | | | | | | | X | | X | | | X | | | | X | | | | | X | | X |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| | | |
|--|--|----------|
| DAY ON TEST | | 0 | 0 | |
| | | 7 | 7 | 6 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 5 | 5 | 7 | 7 |
| | | 3 | 3 | 5 | 6 | 3 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 6 | 4 | 3 | 3 | 3 | 5 | 9 | 3 | 3 |
| | | 6 | 6 | 3 | 7 | 6 | 8 | 8 | 4 | 4 | 4 | 6 | 6 | 6 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 5 | 9 | 0 | 5 | 5 |
| <hr/> | | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
172 MG/L | | 0 | 0 | |
| | | 0 | 0 | |
| | | 4 | 4 |
| | | 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 | |

ALIMENTARY SYSTEM

| | |
|---------------------------|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | 49 |
| Intestine Large, Cecum | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 47 |
| Intestine Large, Colon | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 48 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | 49 |
| Intestine Small, Duodenum | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | 46 |
| Intestine Small, Ileum | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | 47 |
| Intestine Small, Jejunum | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | M | + | + | A | + | + | + | 45 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 7 |
| Mesentery | + | | | | + | | + | | + | | + | | | | + | | + | | + | | + | | + | | | 15 |
| Sarcoma | | | | | | | | | | | | | | | | | X | | | | | | | | | 1 |
| Oral Mucosa | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | X | X | | | | | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | | 0 | | |
|--------------------------------------|--|----------|
| | | 7 | 7 | 6 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 5 | 5 | 7 | 7 | |
| | | 3 | 3 | 5 | 6 | 3 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 6 | 4 | 3 | 3 | 3 | 5 | 9 | 3 | 3 | |
| | | 6 | 6 | 3 | 7 | 6 | 8 | 8 | 4 | 4 | 4 | 6 | 6 | 6 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 5 | 9 | 0 | 5 | 5 | |
| FISCHER 344 RATS FEMALE
ANIMAL ID | | |
| | | 0 | |
| | | 0 | |
| | | 4 | |
| | | 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 | |
| 172 MG/L | | 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 |

| | | |
|--|-----------|--|
| Fibroadenoma | X | | X | | | X | X | | X | | | | | | X | X | | X | X | | X | X | | X | | 19 | |
| Fibroadenoma, Multiple | | X | | | X | | | | | | X | | | | | | | X | | | | | | X | | 11 | |
| <hr/> | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Subcutaneous Tissue, Fibroma | | | | | | | | | | X | | | | | | | | | | | | | | | | 1 | |
| Subcutaneous Tissue, Fibroma, Multiple |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | |
| Subcutaneous Tissue, Lipoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | 1 | |
| Subcutaneous Tissue, Sarcoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | | 1 | |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

| | |
|--|-----------|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Carcinoma, Metastatic, Pituitary Gland |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Leukemia Mononuclear | | | | | X | | | | | | | | | | | | | | | | | | | | 2 |
| Peripheral Nerve |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Spinal Cord |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | 0 | 0 |
|-------------------------------------|----------|
| | 7 | 7 | 6 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 5 | 5 | 7 | 7 |
| FISCHER 344 RATS FEMALE
172 MG/L | 3 | 3 | 5 | 6 | 3 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 6 | 4 | 3 | 3 | 3 | 5 | 9 | 3 | 3 |
| | 6 | 6 | 3 | 7 | 6 | 8 | 8 | 4 | 4 | 4 | 6 | 6 | 6 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 5 | 9 | 0 | 5 | 5 |
| ANIMAL ID | 0 | 0 |
| | 0 | 0 |
| | 4 | 4 |
| | 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 | |

RESPIRATORY SYSTEM

| | |
|------------------------------|----|
| Larynx | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Alveolar/Bronchiolar Adenoma | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 |
| Leukemia Mononuclear | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

SPECIAL SENSES SYSTEM

| | |
|---|----|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Squamous Cell Carcinoma, Metastatic,
Oral Mucosa | X | | 1 |
| Lacrimal Gland | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | 0 | 0 |
|--|----------|
| | 7 | 7 | 6 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 5 | 5 | 7 | 7 |
| FISCHER 344 RATS FEMALE
172 MG/L
ANIMAL ID | 3 | 3 | 5 | 6 | 3 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 6 | 4 | 3 | 3 | 3 | 5 | 9 | 3 | 3 |
| | 6 | 6 | 3 | 7 | 6 | 8 | 8 | 4 | 4 | 4 | 6 | 6 | 6 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 5 | 9 | 0 | 5 | 5 |
| FISCHER 344 RATS FEMALE
172 MG/L
ANIMAL ID | 0 | 0 |
| | 0 | 0 |
| | 4 | 4 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| 172 MG/L
ANIMAL ID | 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 | |

URINARY SYSTEM

| | |
|----------------------|----|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |

SYSTEMIC LESIONS

| | |
|----------------------|----|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 7 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| | | 0 | 0 |
|-------------------------|--|-------------------|
| DAY ON TEST | | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 1 | 5 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 0 | 3 | 2 | 2 | 2 | 2 |
| | | 6 | 6 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 2 | 5 | 5 | 5 | 5 | 2 | 7 | 7 | 6 | 7 | 9 | 1 | 9 | 9 |
| | | |
| FISCHER 344 RATS FEMALE | | 0 | 0 |
| ANIMAL ID | | 0 | 0 |
| 516 MG/L | | 4 | 4 |
| | | 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 |
| | | females (cont...) | |

ALIMENTARY SYSTEM

| |
|---------------------------------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + |
| Intestine Large, Cecum | + |
| Intestine Large, Colon | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + |
| Intestine Small, Ileum | + |
| Leukemia Mononuclear |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + |
| Leukemia Mononuclear |
| Sarcoma, Metastatic, Tissue Nos | |
| Mesentery | | + | | + | | | | | + | | | | | | | | | | | | | | | | |
| Oral Mucosa | + |
| Squamous Cell Carcinoma |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
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Date Report Reqsted: 10/04/2007
Time Report Reqsted: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| 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 | 0 |
|----------------------------|--|---|---|
| | | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 1 | 5 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 0 | 3 | 2 | 2 | 2 | 2 | 2 |
| | | 6 | 6 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 2 | 5 | 5 | 5 | 5 | 2 | 7 | 7 | 6 | 7 | 9 | 1 | 9 | 9 | 9 | 9 |
| FISCHER 344 RATS FEMALE | | 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 |
| ANIMAL ID | | 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 |
| 516 MG/L |  | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | | 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...) |
| Leukemia Mononuclear | | X | |
| Adrenal Medulla | | + | |
| Leukemia Mononuclear | | | |
| Islets, Pancreatic | | + | |
| Adenoma | | X X | |
| Parathyroid Gland | | + + + + M + + + + + + + + + + + + + + + + + M + |
| Pituitary Gland | | + | |
| Leukemia Mononuclear | | X | |
| Pars Distalis, Adenoma | | X X X X X X | |
| Pars Distalis, Carcinoma | | | |
| Pars Intermedia, Adenoma | | X | |
| Thyroid Gland | | + | |
| C-cell, Adenoma | | X X X X X X | |
| C-cell, Carcinoma | | | |
| Follicular Cell, Adenoma | | X | |
| Follicular Cell, Carcinoma | | | |

GENERAL BODY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| | | 0 | 0 | |
|-------------------------------------|--|---|---|
| DAY ON TEST | | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 1 | 5 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 0 | 3 | 2 | 2 | 2 | 2 | |
| | | 6 | 6 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 2 | 5 | 5 | 5 | 5 | 2 | 7 | 7 | 6 | 7 | 9 | 1 | 9 | 9 | |
| FISCHER 344 RATS FEMALE | | 0 | 0 | |
| 516 MG/L | | 0 | 0 | |
| ANIMAL ID | | 4 | 4 | |
| | | 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 |
| | | females (cont...) |
| Leukemia Mononuclear | | X | |
| Lymph Node | | + | |
| Leukemia Mononuclear | | X | |
| Deep Cervical, Leukemia Mononuclear | | X | |
| Renal, Leukemia Mononuclear | | X | |
| Lymph Node, Mandibular | | M M + M |
| Leukemia Mononuclear | | X | |
| Lymph Node, Mesenteric | | + | |
| Leukemia Mononuclear | | X | |
| Lymph Node, Pancreatic | | + M M + + + + + + + M + + + + M M M + + + M + M M |
| Leukemia Mononuclear | | X | |
| Spleen | | + | |
| Leukemia Mononuclear | | X | |
| Thymus | | + | |

INTEGUMENTARY SYSTEM

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

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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 BLANK .. Not examined microscopically

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

516 MG/L

ANIMAL ID | | |
| | | 0 | 0 | |
| | | 0 | 0 | |
| | | 4 | 4 | |
| | | 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 |
| | | females (cont...) | |

| |
|------------------------------|
| Fibroadenoma | X | X | | | | X | X | | | X | | | X | X | | | X | | | | | | | | | |
| Fibroadenoma, Multiple | | | | | X | | | X | | | X | | | | X | | X | | | | | X | | X | | |
| Skin | + |
| Subcutaneous Tissue, Fibroma | | X | | X | |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

| | |
|--|---|
| Brain | + |
| Carcinoma, Metastatic, Pituitary Gland |
| Leukemia Mononuclear |
| Squamous Cell Carcinoma, Metastatic, Oral Mucosa | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Peripheral Nerve |
| Spinal Cord |

RESPIRATORY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

| | |
|---|---|
| Larynx | |
| Squamous Cell Carcinoma |
| Lung | + |
| Alveolar/Bronchiolar Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |
| Carcinoma, Metastatic, Uncertain
Primary Site | | | | | | | | | | | | | | | | | | X | | | | | | |
| Leukemia Mononuclear | | | | | X | | | | | | | | | | | X | | | | | | | | |
| Squamous Cell Carcinoma, Metastatic,
Oral Mucosa | | | | | | | | | | | | | | | | | | | X | | | | | |
| Nose | + |
| Squamous Cell Carcinoma, Metastatic,
Oral Mucosa | |
| Trachea | + |

SPECIAL SENSES SYSTEM

| | |
|---|---|
| Eye | + |
| Harderian Gland | + |
| Squamous Cell Carcinoma, Metastatic,
Oral Mucosa | | | | | | | | | | | | | | | | | | | X | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

| DAY ON TEST | 0 |
|-------------------------------------|
| | 5 | 5 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 5 | 6 | 7 | 7 | 4 | 6 | 7 | 6 | 7 | 7 | 7 | 5 |
| FISCHER 344 RATS FEMALE
516 MG/L | 9 | 6 | 2 | 2 | 8 | 3 | 3 | 3 | 6 | 3 | 0 | 3 | 7 | 6 | 4 | 2 | 3 | 6 | 5 | 3 | 7 | 3 | 3 | 3 | 8 |
| | 5 | 7 | 9 | 9 | 0 | 5 | 5 | 5 | 7 | 5 | 9 | 5 | 0 | 0 | 7 | 1 | 5 | 1 | 2 | 5 | 9 | 7 | 2 | 7 | 3 |
| ANIMAL ID | 0 |
| | 0 |
| | 4 | 5 |
| | 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 |
| * 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 | 0 |
| |

ALIMENTARY SYSTEM

| | |
|---------------------------------|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Rectum | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | 47 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | X | | | | | | X | | X | | | X | | | X | | X | | | X | | 11 |
| Sarcoma, Metastatic, Tissue Nos | | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Mesentery | | | | | | | + | | | + | | | | + | + | + | | | | | + | | | | 10 |
| Oral Mucosa | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Squamous Cell Carcinoma | X | | | | X | | | | | X | | X | | X | X | | | | | | X | | | X | 11 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

GENERAL BODY SYSTEM

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

| | | |
|--------------------|---|----------|
| Tissue NOS | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Abdominal, Sarcoma | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

GENITAL SYSTEM

| | |
|----------------------|-----------|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Adenoma | | | | | | | | | | | X | | | | | | | | | | | | | | | | 4 |
| Carcinoma | | | | | | | | | | | | | X | | | | | X | | | | | | | | | 5 |
| Bilateral, Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | X | | | | | | | | 1 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Polyp Stromal | | X | | | | | | | X | | | | | | | X | | X | | | | | | | | | 8 |
| Schwannoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Vagina | | + | | | + | | | | | | + | | | | | + | | + | | + | | | | | + | | 10 |
| Schwannoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

HEMATOPOIETIC SYSTEM

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

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

INTEGUMENTARY SYSTEM

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

| | | |
|------------------------------|--|-----------|
| Fibroadenoma | | | | | | | | | | X | | | | | | X | X | | X | | | | | X | X | 14 |
| Fibroadenoma, Multiple | | | | | | | | | | X | | | | | X | | | | | | | | | | | 9 |
| Skin |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Subcutaneous Tissue, Fibroma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | 3 |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

| | | |
|--|--|-----------|
| Brain |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Carcinoma, Metastatic, Pituitary Gland |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | 1 |
| Leukemia Mononuclear |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | 1 |
| Squamous Cell Carcinoma, Metastatic, Oral Mucosa |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Peripheral Nerve | | | | | | | | | | | | | | + | | | | | | | | | | + | | 2 |
| Spinal Cord | | | | | | | | | | | | | | + | | | | | | | | | | + | | 2 |

RESPIRATORY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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

TDMS No. 20114 - 07
 Test Type: CHRONIC
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 Species/Strain: RATS/F 344

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 Lab: SRI

| DAY ON TEST | 0 | 0 |
|--|----------|
| | 5 | 5 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 5 | 6 | 7 | 7 | 4 | 6 | 7 | 6 | 7 | 7 | 7 | 5 |
| FISCHER 344 RATS FEMALE
516 MG/L
ANIMAL ID | 9 | 6 | 2 | 2 | 8 | 3 | 3 | 3 | 6 | 3 | 0 | 3 | 7 | 6 | 4 | 2 | 3 | 6 | 5 | 3 | 7 | 3 | 3 | 3 | 8 |
| | 5 | 7 | 9 | 9 | 0 | 5 | 5 | 5 | 7 | 5 | 9 | 5 | 0 | 0 | 7 | 1 | 5 | 1 | 2 | 5 | 9 | 7 | 2 | 7 | 3 |
| FISCHER 344 RATS FEMALE
516 MG/L
ANIMAL ID | 0 | 0 |
| | 0 | 0 |
| | 4 | 4 | 5 |
| | 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 |
| 516 MG/L
ANIMAL ID | 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 | |

| | |
|---|----|
| Larynx |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Squamous Cell Carcinoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Alveolar/Bronchiolar Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 |
| Carcinoma, Metastatic, Uncertain
Primary Site | 1 |
| Leukemia Mononuclear |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |
| Squamous Cell Carcinoma, Metastatic,
Oral Mucosa | | 2 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Squamous Cell Carcinoma, Metastatic,
Oral Mucosa | | 1 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

SPECIAL SENSES SYSTEM

| | |
|---|----|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Squamous Cell Carcinoma, Metastatic,
Oral Mucosa | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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 Test Type: CHRONIC
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 Lab: SRI

| | | |
|--|--|---|
| DAY ON TEST | | 0 | |
| | | 5 | 5 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 5 | 6 | 7 | 7 | 4 | 6 | 7 | 6 | 7 | 7 | 7 | 5 |
| | | 9 | 6 | 2 | 2 | 8 | 3 | 3 | 3 | 6 | 3 | 0 | 3 | 7 | 6 | 4 | 2 | 3 | 6 | 5 | 3 | 7 | 3 | 3 | 3 | 8 |
| | | 5 | 7 | 9 | 9 | 0 | 5 | 5 | 5 | 7 | 5 | 9 | 5 | 0 | 0 | 7 | 1 | 5 | 1 | 2 | 5 | 9 | 7 | 2 | 7 | 3 |
| <hr/> | | |
| FISCHER 344 RATS FEMALE
ANIMAL ID
516 MG/L | | 0 | |
| | | 0 | |
| | | 4 | 5 |
| | | 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 |
| * 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 | 0 |

Zymbal's Gland
 Carcinoma

+ 1
 X 1

URINARY SYSTEM

Kidney
 Leukemia Mononuclear

+ 50
 X X 4

Urinary Bladder
 Papilloma

+ 49
 X 1

SYSTEMIC LESIONS

Multiple Organ
 Leukemia Mononuclear

+ 50
 X X X X X X X 11

*** END OF REPORT ***

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

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