

TDMS No. 20114 - 01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

F1_Rev.1_R2

C Number: C20114
Lock Date: 06/24/2002
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.1.0

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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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
0 MG/L	0	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Hematopoietic Cell Proliferation, Focal					1		1				2 1.0
Infiltration Cellular, Mixed Cell	1					1					2 1.0
Centrilobular, Vacuolization Cytoplasmic									1		1 1.0
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Focal				1					1		2 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

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Page 2

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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	0	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	3	
<hr/>												
FISCHER 344 RATS MALE	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 MG/L	0	0	0	0	0	0	0	0	0	0	0	
	1	2	3	4	5	6	7	8	9	0		* TOTALS
<hr/>												
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	10
Parotid Gland, Basophilic Focus, Multiple	1	1		1	1	1		2	1			7 1.1
<hr/>												
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	10
<hr/>												
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	10
<hr/>												
Tongue	+	+	+	+	+	+	+	+	+	+	+	10
<hr/>												
CARDIOVASCULAR SYSTEM												
<hr/>												
Heart	+	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy, Focal	1		1			1	1	1	1			6 1.0
<hr/>												
ENDOCRINE SYSTEM												
<hr/>												
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	10
Accessory Adrenal Cortical Nodule									X			1
<hr/>												
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	10
<hr/>												
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	10
<hr/>												
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	10
Pars Distalis, Cyst						1		1				2 1.0
<hr/>												

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	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
0 MG/L	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
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GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10
Atrophy					1						1 1.0

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node	+	+	+	+	+	+	+	+	+	+	10
Mediastinal, Hemorrhage	2			1							2 1.5

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	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	
0 MG/L	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	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0	* TOTALS

Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric Infiltration Cellular, Histiocyte	+	+	+	+	+	+	+	+	+	+	10 1 1.0
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10

INTEGUMENTARY SYSTEM

Mammary Gland	M	M	+	+	+	+	M	+	+	+	7
Skin	+	+	+	+	+	+	+	+	+	+	10

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	10
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NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	-----------

RESPIRATORY SYSTEM

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	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3

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	1
		1	2	3	4	5	6	7	8	9

* TOTALS

Lung	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Focal, Chronic	1				1		1				3 1.0
Alveolus, Infiltration Cellular, Histiocyte				1							1 1.0
Nose	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	10

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
Nephropathy	1	1	1	1	1						5 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

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	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
62.5MG/L	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM

Esophagus		+	+	+	+	+					6
Intestine Large, Cecum		+	+	+	+	+					6
Intestine Large, Colon		+	+	+	+	+					6
Intestine Large, Rectum		+	+	+	+	+					6
Intestine Small, Duodenum		+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum		+	+	+	+	+					6
Intestine Small, Jejunum		+	+	+	+	+					6
Liver		+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Mixed Cell					1						1 1.0
Oral Mucosa		+	+	+	+	+	+	+	+	+	10
Pancreas		+	+	+	+	+					6
Salivary Glands		+	+	+	+	+					6
Parotid Gland, Basophilic Focus, Multiple		1			1	1					3 1.0

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	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
62.5MG/L	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10
Tongue	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+						6
Cardiomyopathy, Focal	1		1	1	1				1		5 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+						6
Adrenal Medulla	+	+	+	+	+						6
Parathyroid Gland	+	+	+	+	+						6
Pituitary Gland	+	+	+	+	+						6
Pars Distalis, Cyst				2							1 2.0
Thyroid Gland	+	+	+	+	+						6

GENERAL BODY SYSTEM

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	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
62.5MG/L	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+					+	6
Preputial Gland	+	+	+	+	+					+	6
Prostate	+	+	+	+	+					+	6
Seminal Vesicle	+	+	+	+	+					+	6
Testes	+	+	+	+	+					+	6

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node	+	+	+	+	+	+	+	+	+	+	10
Pancreatic, Infiltration Cellular, Histiocyte	1		1		1	1			1		5 1.0
Lymph Node, Mandibular	M	M	M	M	M				M		0
Lymph Node, Mesenteric	+	+	+	+	+				+		6
Infiltration Cellular, Histiocyte									1		1 1.0

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	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
<hr/>											
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	
62.5MG/L	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	2	
	1	2	3	4	5	6	7	8	9	0	* TOTALS
<hr/>											
Spleen		+	+	+	+	+				+	6
<hr/>											
Thymus		+	+	+	+	+				+	6
<hr/>											
INTEGUMENTARY SYSTEM											
<hr/>											
Mammary Gland		+	+	+	+	+				+	6
<hr/>											
Skin		+	+	+	+	+				+	6
<hr/>											
MUSCULOSKELETAL SYSTEM											
<hr/>											
Bone		+	+	+	+	+				+	6
<hr/>											
NERVOUS SYSTEM											
<hr/>											
Brain		+	+	+	+	+					5
<hr/>											
RESPIRATORY SYSTEM											
<hr/>											
Lung		+	+	+	+	+				+	6
Inflammation, Focal, Chronic										1	1 1.0
<hr/>											
Nose		+	+	+	+	+				+	6

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	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3

FISCHER 344 RATS MALE 62.5MG/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
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0

*** TOTALS**

Trachea	+	+	+	+	+						6
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SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+						6
Harderian Gland	+	+	+	+	+						6

URINARY SYSTEM

Kidney Nephropathy	+	+	+	+	+	+	+	+	+	+	10	1	1.0
Urinary Bladder	+	+	+	+	+						6		

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	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
125MG/L	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM

Esophagus				+	+		+	+	+	+	6	
Intestine Large, Cecum				+	+		+	+	+	+	6	
Intestine Large, Colon				+	+		+	+	+	+	6	
Intestine Large, Rectum				+	+		+	+	+	+	6	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10	
Infiltration Cellular, Histiocyte	1	1		1	1		1	2	1			7 1.1
Intestine Small, Ileum				+	+		+	+	+	+	6	
Intestine Small, Jejunum				+	+		+	+	+	+	6	
Liver	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Focal, Chronic	1		1									2 1.0
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	10	
Pancreas				+	+		+	+	+	+	6	
Salivary Glands				+	+		+	+	+	+	6	
Parotid Gland, Basophilic Focus, Multiple							1	1	1	1		4 1.0

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
125MG/L	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10
Tongue	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

Heart				+	+		+	+	+	+	6
Cardiomyopathy, Focal							1	1		1	3 1.0

ENDOCRINE SYSTEM

Adrenal Cortex				+	+		+	+	+	+	6
Adrenal Medulla				+	+		+	+	+	+	6
Parathyroid Gland				+	+		+	+	+	+	6
Pituitary Gland				+	+		+	+	+	+	6
Pars Distalis, Cyst										1	1 1.0
Thyroid Gland				+	+		+	+	+	+	6

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 13

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
125MG/L	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

Epididymis				+	+		+	+	+	+	6
Preputial Gland				+	+		+	+	+	+	6
Prostate				+	+		+	+	+	+	6
Seminal Vesicle				+	+		+	+	+	+	6
Testes				+	+		+	+	+	+	6

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node	+	+	+	+	+	+	+	+	+	+	10
Pancreatic, Infiltration Cellular, Histiocyte						1				1	2 1.0
Lymph Node, Mandibular				M	M		M	M	M	M	0
Lymph Node, Mesenteric				+	+		+	+	+	+	6

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3

FISCHER 344 RATS MALE 125MG/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
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0

*** TOTALS**

Spleen				+	+		+	+	+	+	6
Thymus				+	+		+	+	+	+	6

INTEGUMENTARY SYSTEM

Mammary Gland				+	+		+	+	+	+	6
Skin				+	+		+	+	+	+	6

MUSCULOSKELETAL SYSTEM

Bone				+	+		+	+	+	+	6
------	--	--	--	---	---	--	---	---	---	---	----------

NERVOUS SYSTEM

Brain				+	+		+	+	+	+	6
-------	--	--	--	---	---	--	---	---	---	---	----------

RESPIRATORY SYSTEM

Lung Inflammation, Focal, Chronic				+	+		+	+	+	+	6	2 1.0
--------------------------------------	--	--	--	---	---	--	---	---	---	---	----------	--------------

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

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	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
<hr/>											
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
125MG/L	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	3	
	1	2	3	4	5	6	7	8	9	0	
											* TOTALS
Nose											6
Trachea											6
<hr/>											
SPECIAL SENSES SYSTEM											
Eye											6
Harderian Gland											6
<hr/>											
URINARY SYSTEM											
Kidney											10
Casts Protein											1 1.0
Nephropathy											1 1.0
Urinary Bladder											6

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 16

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
250MG/L	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM

Esophagus	+	+			+			+	+	+	6
Intestine Large, Cecum	+	+			+			+	+	+	6
Intestine Large, Colon	+	+			+			+	+	+	6
Intestine Large, Rectum	+	+			+			+	+	+	6
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Histiocyte	1	1	1	1		1	1	1	2	2	9 1.2
Intestine Small, Ileum	+	+			+			+	+	+	6
Intestine Small, Jejunum	+	+			+			+	+	+	6
Liver	+	+	+	+	+	+	+	+	+	+	10
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+			+			+	+	+	6
Salivary Glands	+	+			+			+	+	+	6
Parotid Gland, Basophilic Focus, Multiple	1	1			1			1			4 1.0

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

+ .. Tissue examined microscopically

x .. Lesion present

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A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 17

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	* TOTALS
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
FISCHER 344 RATS MALE											
250MG/L	ANIMAL ID										
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	4	
	1	2	3	4	5	6	7	8	9	0	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10
Tongue	+	+	+	+	+	+	+	+	+	+	10
CARDIOVASCULAR SYSTEM											
Heart	+	+			+			+	+	+	6
Cardiomyopathy, Focal	1	1			1			1		1	5 1.0
ENDOCRINE SYSTEM											
Adrenal Cortex	+	+			+			+	+	+	6
Accessory Adrenal Cortical Nodule								X			1
Hyperplasia, Focal	1										1 1.0
Adrenal Medulla	+	+			+			+	+	+	6
Parathyroid Gland	+	+			+			+	+	M	5
Pituitary Gland	+	+			+			+	+	+	6
Pars Distalis, Angiectasis					1						1 1.0
Thyroid Gland	+	+			+			+	+	+	6

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

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 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	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
.....											
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
250MG/L	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	4	
	1	2	3	4	5	6	7	8	9	0	* TOTALS

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+			+			+	+	+	6
Preputial Gland	+	+			+			+	+	+	6
Prostate	+	+			+			+	+	+	6
Seminal Vesicle	+	+			+			+	+	+	6
Testes	+	+			+			+	+	+	6

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Hyperplasia	1		1								2 1.0
Lymph Node	+	+	+	+	+	+	+	+	+	M	9
Pancreatic, Hyperplasia, Lymphoid		1				1	1				3 1.0
Pancreatic, Infiltration Cellular, Histiocyte		1		1		1	1				4 1.0
Lymph Node, Mandibular	M	M			M			M	M	M	0

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
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 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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TDMS No. 20114 - 01
 Test Type: 90-DAY
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 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
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 First Dose M/F: 11/12/01 / 11/11/01
 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
250MG/L	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

Lymph Node, Mesenteric Infiltration Cellular, Histiocyte	+	+			+			+	+	+	6	3 1.0
Spleen	+	+			+			+	+	+	6	
Thymus	+	+			+			+	+	+	6	

INTEGUMENTARY SYSTEM

Mammary Gland	+	+			M			+	+	+	5	
Skin	+	+			+			+	+	+	6	

MUSCULOSKELETAL SYSTEM

Bone	+	+			+			+	+	+	6	
------	---	---	--	--	---	--	--	---	---	---	----------	--

NERVOUS SYSTEM

Brain	+	+			+			+	+	+	6	
-------	---	---	--	--	---	--	--	---	---	---	----------	--

RESPIRATORY SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 20

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

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Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	* TOTALS
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
<hr/>											
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
250MG/L	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	4	
	1	2	3	4	5	6	7	8	9	0	
<hr/>											
Lung	+	+			+			+	+	+	6
Inflammation, Focal, Chronic					1			1			2 1.0
<hr/>											
Nose	+	+			+			+	+	+	6
<hr/>											
Trachea	+	+			+			+	+	+	6
<hr/>											
SPECIAL SENSES SYSTEM											
<hr/>											
Eye	+	+			+			+	+	+	6
<hr/>											
Harderian Gland	+	+			+			+	+	+	6
<hr/>											
URINARY SYSTEM											
<hr/>											
Kidney	+	+	+	+	+	+	+	+	+	+	10
Nephropathy	1	1									2 1.0
<hr/>											
Urinary Bladder	+	+			+			+	+	+	6
<hr/>											

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 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	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
.....																
FISCHER 344 RATS MALE	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	
500MG/L	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	
	1	2	3	4	5	6	7	8	9	0						
															* TOTALS	
Parotid Gland, Basophilic Focus, Multiple	1		1		2											3 1.3
Stomach, Forestomach	+ + + + + + + + + +														10	
Stomach, Glandular Ulcer	+ + + + + + + + + +														10	
															1 2.0	
Tongue Granuloma, Focal	+ + + + + + + + + +														10	
	1														1 1.0	

CARDIOVASCULAR SYSTEM

Heart	+ + + + + + + + + +														6
Cardiomyopathy, Focal	1 1 1 1 1 1 1														6 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+ + + + + + + + + +														6
Adrenal Medulla	+ + + + + + + + + +														6
Parathyroid Gland	+ + + + + + + + + +														5
															M
Pituitary Gland	+ + + + + + + + + +														6
Thyroid Gland	+ + + + + + + + + +														6

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 23

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
500MG/L	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	6
Preputial Gland	+	+	+	+	+	+	6
Prostate	+	+	+	+	+	+	6
Seminal Vesicle	+	+	+	+	+	+	6
Testes	+	+	+	+	+	+	6
Atrophy						1	1 1.0

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node	+	+	+	+	+	+	+	+	+	+	10
Pancreatic, Ectasia	1										1 1.0
Pancreatic, Hyperplasia, Lymphoid			1		1				1		3 1.0
Pancreatic, Infiltration Cellular, Histiocyte		1	1	1				1	1		5 1.0

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 24

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<hr/>										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
500MG/L	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Lymph Node, Mandibular	+	M	M	M	M				M	1	
Lymph Node, Mesenteric Ectasia	+	+	+	+	+	2			+	6	1 2.0
Spleen	+	+	+	+	+				+	6	
Thymus	+	+	+	+	+				+	6	

INTEGUMENTARY SYSTEM

Mammary Gland	+	M	+	+	+				M	4
Skin	+	+	+	+	+				+	6

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+				+	6
------	---	---	---	---	---	--	--	--	---	---

NERVOUS SYSTEM

Brain	+	+	+	+	+				+	6
-------	---	---	---	---	---	--	--	--	---	---

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

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
500MG/L	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

RESPIRATORY SYSTEM

Lung										
Inflammation, Focal, Chronic		+	+	+	+	+				
Alveolar Epithelium, Bronchiole, Hyperplasia			2			1				
										6
										1 2.0
										1 1.0
Nose		+	+	+	+	+				
										6
Trachea		+	+	+	+	+				
										6

SPECIAL SENSES SYSTEM

Eye		+	+	+	+	+				
										6
Harderian Gland		+	+	+	+	+				
										6

URINARY SYSTEM

Kidney		+	+	+	+	+	+	+	+	
Casts Protein							1			
Nephropathy		1		1			1		1	
										10
										1 1.0
										4 1.0
Urinary Bladder		+	+	+	+	+				
										6

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 26

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
1000 MG/L	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Histiocyte		1	1	1	2	2		2		1	7 1.4
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	M	9
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Mixed Cell					1						1 1.0
Inflammation, Focal, Chronic		1									1 1.0
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Acinus, Atrophy, Focal						1		1			2 1.0

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Page 27

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3

FISCHER 344 RATS MALE 1000 MG/L ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0

*** TOTALS**

Salivary Glands	+	+	+	+	+	+	+	+	+	+	10	
Parotid Gland, Basophilic Focus, Multiple	2	1	2	2	1	2	1	1	1	1		10 1.4
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10	
Ulcer						3						1 3.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10	
Ulcer	4	3	4	2	3		3	3		2		8 3.0
Epithelium, Hyperplasia, Regenerative, Focal	3	3	1	3	1	2	2	2	2	3		10 2.2
Epithelium, Metaplasia, Squamous, Focal	2	3		3		2	3	2		3		7 2.6
Tongue	+	+	+	+	+	+	+	+	+	+	10	

CARDIOVASCULAR SYSTEM

Blood Vessel												1
Heart	+	+	+	+	+	+	+	+	+	+	10	
Cardiomyopathy, Focal		1	1	1	1							4 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10	
Hypertrophy, Focal		1										1 1.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10	

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2) Mild 4) Marked

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
.....										
FISCHER 344 RATS MALE	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
1000 MG/L	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
-------------	---	---	---	---	---	---	---	---	---	---	-----------

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

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Page 29

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<hr/>										
FISCHER 344 RATS MALE	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
1000 MG/L	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

Hyperplasia			1			1	1				3 1.0
Lymph Node	+	+	+	+	+	+	+	+	+	+	10
Mediastinal, Hemorrhage								1			1 1.0
Pancreatic, Ectasia	2	2	2	2	1	2	1	1	2	2	10 1.7
Pancreatic, Hyperplasia, Lymphoid	3		2	3			2	3		3	6 2.7
Pancreatic, Infiltration Cellular, Histiocyte	2	2	1	2	1	3	2	2		1	9 1.8
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Histiocyte									1		1 1.0
Spleen	+	+	+	+	+	+	+	+	+	+	10
Hematopoietic Cell Proliferation						1					1 1.0
Thymus	+	+	+	+	+	+	+	+	+	+	10

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	M	+	9
Skin	+	+	+	+	+	+	+	+	+	+	10

MUSCULOSKELETAL SYSTEM

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

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 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	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
.....											
FISCHER 344 RATS MALE	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	
1000 MG/L	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0	
											* TOTALS
Bone	+	+	+	+	+	+	+	+	+	+	10
.....											
NERVOUS SYSTEM											
Brain	+	+	+	+	+	+	+	+	+	+	10
.....											
RESPIRATORY SYSTEM											
Lung	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Focal, Acute	1										1 1.0
Inflammation, Focal, Chronic			1					1	1		3 1.0
Metaplasia, Osseous						1					1 1.0
Alveolus, Infiltration Cellular, Histiocyte						1				1	2 1.0
.....											
Nose	+	+	+	+	+	+	+	+	+	+	10
.....											
Trachea	+	+	+	+	+	+	+	+	+	+	10
.....											
SPECIAL SENSES SYSTEM											
Eye	+	+	+	+	+	+	+	+	+	+	10
.....											
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Focal, Chronic				1			1				2 1.0

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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
.....											
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
1000 MG/L	0	0	0	0	0	0	0	0	0	0	
	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0	* TOTALS

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
Nephropathy	1			1		1				1	4 1.0
.....											
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

*** END OF MALE DATA ***

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
0 MG/L	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	7	
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule									X		1
Inflammation, Focal, Chronic						1	1		1		3 1.0
Mesentery								+			1
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

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Page 33

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3

FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
0 MG/L	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	7
	1	2	3	4	5	6	7	8	9	0

*** TOTALS**

Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Parotid Gland, Basophilic Focus, Multiple				1	1	1	1		1	1	6 1.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10
Tongue	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy, Focal				1				1	1		3 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	+	+	+	M	9
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Rathke's Cleft, Cyst								X			1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

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+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
0 MG/L	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	7
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10	
Duct, Ectasia									2			1 2.0
Ovary	+	+	+	+	+	+	+	+	+	+	10	
Cyst									2	2		2 2.0
Uterus	+	+	+	+	+	+	+	+	+	+	10	
Hydrometra			2	2								2 2.0

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node	+	+	+	+	+	+	+	+	+	+	10	
Mediastinal, Hemorrhage						2				2		2 2.0
Mediastinal, Hyperplasia, Lymphoid						2						1 2.0
Pancreatic, Hemorrhage										2		1 2.0
Pancreatic, Infiltration Cellular, Histiocyte	1	1	1				1					4 1.0
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0	

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 35

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
0 MG/L	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	7
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Lymph Node, Mesenteric Infiltration Cellular, Histiocyte	+	+	+	+	+	+	+	+	+	+	10
			1	1	1						3 1.0
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	10

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	10
------	---	---	---	---	---	---	---	---	---	---	----

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	----

RESPIRATORY SYSTEM

--	--	--	--	--	--	--	--	--	--	--	--

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 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	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
<hr/>											
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
0 MG/L	0	0	0	0	0	0	0	0	0	0	
	6	6	6	6	6	6	6	6	6	7	
	1	2	3	4	5	6	7	8	9	0	
											* TOTALS
Lung	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Focal, Chronic			1			1		1		1	4 1.0
Metaplasia, Osseous						1					1 1.0
<hr/>											
Nose	+	+	+	+	+	+	+	+	+	+	10
<hr/>											
Trachea	+	+	+	+	+	+	+	+	+	+	10
<hr/>											
SPECIAL SENSES SYSTEM											
<hr/>											
Eye	+	+	+	+	+	+	+	+	+	+	10
<hr/>											
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10
<hr/>											
URINARY SYSTEM											
<hr/>											
Kidney	+	+	+	+	+	+	+	+	+	+	10
<hr/>											
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10
<hr/>											

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 37

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
62.5MG/L	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM

Esophagus		+	+	+	+		+		+		6
Intestine Large, Cecum		+	+	+	+		+		+		6
Intestine Large, Colon		+	+	+	+		+		+		6
Intestine Large, Rectum		+	+	+	+		+		+		6
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Histiocyte		1									1 1.0
Intestine Small, Ileum		+	+	+	+		+		+		6
Intestine Small, Jejunum		+	+	+	+		+		+		6
Liver	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Histiocyte		1	2						1		3 1.3
Inflammation, Focal, Chronic		1		1	1		1	1			5 1.0
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	10
Pancreas		+	+	+	+		+		+		6
Salivary Glands		+	+	+	+		+		+		6

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
62.5MG/L	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Parotid Gland, Basophilic Focus, Multiple	1								1	2 1.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	10
Tongue	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+		+		+		6
-------	---	---	---	---	--	---	--	---	--	----------

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+		+		+		6
Adrenal Medulla	+	+	+	+		+		+		6
Parathyroid Gland	+	+	+	+		+		+		6
Pituitary Gland	+	+	+	+		+		+		6
Thyroid Gland	+	+	+	+		+		+		6

GENERAL BODY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
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 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
62.5MG/L	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	6
Ovary	+	+	+	+	+	+	+	+	+	6
Uterus	+	+	+	+	+	+	+	+	+	6

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	10		
Lymph Node	+	+	+	+	+	+	+	+	+	10		
Pancreatic, Infiltration Cellular, Histiocyte	1	2		2		1	1	1	2	1	8	1.4
Lymph Node, Mandibular	M	M	M	M		M		M			0	
Lymph Node, Mesenteric	+	+	+	+		+		+		6		
Infiltration Cellular, Histiocyte	2							1			2	1.5
Spleen	+	+	+	+		+		+		6		
Thymus	+	+	+	+		+		+		6		

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 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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 First Dose M/F: 11/12/01 / 11/11/01
 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
62.5MG/L	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+		+		+		6
Skin	+		+	+		+		+		5

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+		+		+		6
------	---	---	---	---	--	---	--	---	--	----------

NERVOUS SYSTEM

Brain	+	+	+	+		+		+		6
-------	---	---	---	---	--	---	--	---	--	----------

RESPIRATORY SYSTEM

Lung	+	+		+		+		+		5
Inflammation, Focal, Chronic			1	1		1				3 1.0
Alveolus, Infiltration Cellular, Histiocyte								1		1 1.0
Nose	+	+	+	+		+		+		6
Trachea	+	+	+	+		+		+		6

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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Page 41

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
.....											
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
62.5MG/L	0	0	0	0	0	0	0	0	0	0	
	7	7	7	7	7	7	7	7	7	8	
	1	2	3	4	5	6	7	8	9	0	* TOTALS

SPECIAL SENSES SYSTEM

Eye	+	+	+	+			+		+	6
Harderian Gland	+	+	+	+			+		+	6

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
Urinary Bladder	+	M	+	+			+		+	5	

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+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
125MG/L	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM

Esophagus	+				+	+	+	+	+		6
Intestine Large, Cecum	+				+	+	+	+	+		6
Intestine Large, Colon	+				+	+	+	+	+		6
Intestine Large, Rectum	+				+	+	+	+	+		6
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Histiocyte	1	1				1		1		1	5 1.0
Intestine Small, Ileum	+				+	+	+	+	+		6
Intestine Small, Jejunum	+				+	+	+	+	+		6
Liver	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Histiocyte			1		1	1	1	1	1		6 1.0
Inflammation, Focal, Chronic			1	1							2 1.0
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+				+	+	+	+	+		6
Salivary Glands	+				+	+	+	+	+		6

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

+ .. Tissue examined microscopically

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M .. Missing tissue

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2) Mild 4) Marked

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
125MG/L	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Parotid Gland, Basophilic Focus, Multiple						1	2					2 1.5
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+		10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+		10
Tongue	+	+	+	+	+	+	+	+	+	+		10

CARDIOVASCULAR SYSTEM

Heart	+					+	+	+	+			6
Cardiomyopathy, Focal						1				1		2 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+					+	+	+	+	+		6
Adrenal Medulla	+					+	+	+	+	+		6
Parathyroid Gland	+					+	+	+	+	+		6
Pituitary Gland	+					+	+	+	+	+		6
Rathke's Cleft, Cyst						X						1
Thyroid Gland	+					+	+	+	+	+		6

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

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Page 44

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
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Date Report Requested: 01/14/2009
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 First Dose M/F: 11/12/01 / 11/11/01
 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	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
.....											
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
125MG/L	0	0	0	0	0	0	0	0	0	0	
	8	8	8	8	8	8	8	8	8	9	
	1	2	3	4	5	6	7	8	9	0	* TOTALS

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

Clitoral Gland	+				+	+	+	+	+	+	6
Ovary Cyst	+				+	+	+	+	+		6
							X				1
Uterus Hydrometra	+				+	+	+	+	+		6
								2			1 2.0

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node Pancreatic, Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	10
Pancreatic, Infiltration Cellular, Histiocyte	1	2	1	2				2	3	1	2 1.5 7 1.7
Lymph Node, Mandibular	M				M	M	M	M	M		0
Lymph Node, Mesenteric Infiltration Cellular, Histiocyte	+				+	+	+	+	+		6
					1	2		2			3 1.7

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 + .. Tissue examined microscopically
 x .. Lesion present
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 M .. Missing tissue
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 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
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 Page 45

TDMS No. 20114 - 01
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 Route: DOSED WATER
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 First Dose M/F: 11/12/01 / 11/11/01
 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
125MG/L	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Spleen	+				+	+	+	+	+		6
Thymus	+				+	+	+	+	+		6

INTEGUMENTARY SYSTEM

Mammary Gland	+				+	+	+	+	+		6
Skin	+				+	+	+	+	+		6

MUSCULOSKELETAL SYSTEM

Bone	+				+	+	+	+	+		6
------	---	--	--	--	---	---	---	---	---	--	----------

NERVOUS SYSTEM

Brain	+				+	+	+	+	+		6
-------	---	--	--	--	---	---	---	---	---	--	----------

RESPIRATORY SYSTEM

Lung	+				+	+	+	+	+		6
Inflammation, Focal, Chronic							1				1 1.0

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 46

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

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	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
<hr/>											
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
125MG/L	0	0	0	0	0	0	0	0	0	0	
	8	8	8	8	8	8	8	8	8	9	
	1	2	3	4	5	6	7	8	9	0	
											* TOTALS
Nose	+			+			+	+	+	+	6
Trachea	+			+			+	+	+	+	6
<hr/>											
SPECIAL SENSES SYSTEM											
Eye	+			+			+	+	+	+	6
Harderian Gland	+			+			+	+	+	+	6
Inflammation, Focal, Chronic							1				1 1.0
<hr/>											
URINARY SYSTEM											
Kidney	+	+	+	+	+	+	+	+	+	+	10
Pelvis, Inflammation							1				1 1.0
Urinary Bladder	+			+			+	+	+	+	6

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

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
250MG/L	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	1
	9	9	9	9	9	9	9	9	9	0
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM

Esophagus	+	+		+	+			+	+		6
Intestine Large, Cecum	+	+		+	+			+	+		6
Intestine Large, Colon	+	+		+	+			+	+		6
Intestine Large, Rectum	+	+		+	+			+	+		6
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Histiocyte	1		1		1		2	2	1	2	7 1.4
Intestine Small, Ileum	+	+		+	+			+	+		6
Intestine Small, Jejunum	+	+		+	+			+	+		6
Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule					X						1
Infiltration Cellular, Histiocyte	1		1			1		1	1	1	6 1.0
Inflammation, Focal, Chronic		1	1	1	1		1	1	1		7 1.0
Necrosis, Focal			1								1 1.0
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+		+	+			+	+		6

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 48

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 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	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	
250MG/L	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	1	
	9	9	9	9	9	9	9	9	9	0	
	1	2	3	4	5	6	7	8	9	0	* TOTALS

Salivary Glands Parotid Gland, Basophilic Focus, Multiple	+	+		+	+				+	+	6	1 1.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10	
Tongue	+	+	+	+	+	+	+	+	+	+	10	

CARDIOVASCULAR SYSTEM

Heart Cardiomyopathy, Focal	+	+		+	+				+	+	6	2 1.0
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ENDOCRINE SYSTEM

Adrenal Cortex	+	+		+	+				+	+	6	
Adrenal Medulla	+	+		+	+				+	+	6	
Parathyroid Gland	I	+		+	+				+	+	5	
Pituitary Gland Rathke's Cleft, Cyst	+	+		+	+				+	+	6	1
	X											

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 49

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
250MG/L	0	0	0	0	0	0	0	0	0	1
	9	9	9	9	9	9	9	9	9	0
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

Thyroid Gland	+	+		+	+				+	+	6
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GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+		+	+				+	+	6
Ovary	+	+		+	+				+	+	6
Uterus	+	+		+	+				+	+	6

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node	+	+	+	+	+	+	+	+	+	+	10
Pancreatic, Infiltration Cellular, Histiocyte	1			1	1	1	2		1	2	7 1.3
Lymph Node, Mandibular	+	M		M	M				M	M	1
Lymph Node, Mesenteric	+	+		+	+				+	+	6
Infiltration Cellular, Histiocyte									2	2	2 2.0

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 50

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	* TOTALS
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	
250MG/L	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	1	
	9	9	9	9	9	9	9	9	9	0	
	1	2	3	4	5	6	7	8	9	0	
Spleen	+	+		+	+				+	+	6
Thymus	+	+		+	+				+	+	6
INTEGUMENTARY SYSTEM											
Mammary Gland	+	+		+	+				+	+	6
Skin	+	+		+	+				+	+	6
MUSCULOSKELETAL SYSTEM											
Bone	+	+		+	+				+	+	6
NERVOUS SYSTEM											
Brain	+	+		+	+				+	+	6
RESPIRATORY SYSTEM											
Lung	+	+		+	+				+	+	6
Infiltration Cellular, Histiocyte									1		1 1.0
Nose	+	+		+	+				+	+	6

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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
250MG/L	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	1
	9	9	9	9	9	9	9	9	9	0
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Trachea	+	+		+	+				+	+	6
---------	---	---	--	---	---	--	--	--	---	---	----------

SPECIAL SENSES SYSTEM

Eye	+	+		+	+				+	+	6
Harderian Gland	+	+		+	+				+	+	6
Inflammation, Focal, Chronic					1						1 1.0

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
Casts Protein	1										1 1.0
Urinary Bladder	+	+		+	+				+	+	6

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 52

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
500MG/L	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM

Esophagus	+	+	+	+			+	+			6	
Intestine Large, Cecum	+	+	+	+			+	+			6	
Intestine Large, Colon	+	+	+	+			+	+			6	
Intestine Large, Rectum	+	+	+	+			+	+			6	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10	
Infiltration Cellular, Histiocyte	1	2	2	1		1	2		2	2		8 1.6
Intestine Small, Ileum	+	+	+	+			+	+			6	
Intestine Small, Jejunum	+	+	+	+			+	+			6	
Liver	+	+	+	+	+	+	+	+	+	+	10	
Hepatodiaphragmatic Nodule							X					1
Infiltration Cellular, Histiocyte	2	1	1	1	2	1		1	1	1		9 1.2
Inflammation, Focal, Chronic							1			1		2 1.0
Necrosis, Focal									1			1 1.0
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	10	
Dysplasia				2								1 2.0

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 53

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	* TOTALS
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
.....											
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	
500MG/L	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	1	1	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0	

Pancreas	+	+	+	+			+	+			6
Salivary Glands	+	+	+	+			+	+			6
Parotid Gland, Basophilic Focus, Multiple	1							1			2 1.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10
Tongue	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+			+	+			6
Cardiomyopathy, Focal								1			1 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+			+	+			6
Adrenal Medulla	+	+	+	+			+	+			6
Parathyroid Gland	+	+	+	+			+	+			6
Pituitary Gland	+	+	+	+			+	+			6
Rathke's Cleft, Cyst				X							1

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 54

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
500MG/L	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Thyroid Gland	+	+	+	+			+	+			6
---------------	---	---	---	---	--	--	---	---	--	--	----------

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+			+	+			6
Ovary	+	+	+	+			+	+			6
Uterus	+	+	+	+			+	+			6

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node	+	+	+	+	+	+	+	+	+	+	10
Pancreatic, Ectasia										1	1 1.0
Pancreatic, Hemorrhage										2	1 2.0
Pancreatic, Infiltration Cellular, Histiocyte		1	1			2	2	3	2	1	7 1.7
Lymph Node, Mandibular	M	M	M	M			M	M			0

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 55

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

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	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
<hr/>											
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
500MG/L	0	0	0	0	0	0	0	0	0	0	
	1	2	3	4	5	6	7	8	9	0	
											* TOTALS
Lymph Node, Mesenteric	+	+	+	+			+	+			6
Infiltration Cellular, Histiocyte	2	1	1	1				2			5 1.4
<hr/>											
Spleen	+	+	+	+			+	+			6
<hr/>											
Thymus	+	+	+	+			+	+			6
<hr/>											
INTEGUMENTARY SYSTEM											
<hr/>											
Mammary Gland	+	+	+	+			+	+			6
<hr/>											
Skin	+	+	+	+			+	+			6
<hr/>											
MUSCULOSKELETAL SYSTEM											
<hr/>											
Bone	+	+	+	+			+	+			6
<hr/>											
NERVOUS SYSTEM											
<hr/>											
Brain	+	+	+	+			+	+			6
<hr/>											
RESPIRATORY SYSTEM											
<hr/>											
Lung	+	+	+	+			+	+			6

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

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	
ANIMAL ID		0	0	0	0	0	0	0	0	0	0	
FISCHER 344 RATS FEMALE		1	1	1	1	1	1	1	1	1	1	
500MG/L		0	0	0	0	0	0	0	0	0	0	
		1	2	3	4	5	6	7	8	9	0	* TOTALS
Inflammation, Focal, Chronic					1							1 1.0
Nose		+	+	+	+			+	+			6
Trachea		+	+	+	+			+	+			6
SPECIAL SENSES SYSTEM												
Eye		+	+	+	+			+	+			6
Harderian Gland		+	+	+	+			+	+			6
Infiltration Cellular, Lymphoid									2			1 2.0
URINARY SYSTEM												
Kidney		+	+	+	+	+	+	+	+	+	+	10
Casts Protein					1							1 1.0
Urinary Bladder		+	+	+	+			+	+			6

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 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
1000 MG/L	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Histiocyte	2	2	2	2	2	2	1	1	1	2	10 1.7
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule	X									X	2
Infiltration Cellular, Histiocyte	1	1	1	1		1	1		1	1	8 1.0
Inflammation, Focal, Chronic	1	1	1	1	1	1	1	1	1	1	10 1.0
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10

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Page 58

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

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 First Dose M/F: 11/12/01 / 11/11/01
 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<hr/>										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
1000 MG/L	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Salivary Glands	+	+	+	+	+	+	+	+	+	+	10	
Parotid Gland, Basophilic Focus, Multiple	1	1			1				1	2	5	1.2
<hr/>												
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10	
Muscularis, Inflammation, Focal, Chronic Active							2				1	2.0
<hr/>												
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10	
Degeneration, Cystic			1								1	1.0
Ulcer	3	3	4	3	4	4	3	3	4	4	10	3.5
Epithelium, Hyperplasia, Regenerative, Focal	2	2	2	1	1	4	2	2	2	2	10	2.0
Epithelium, Metaplasia, Squamous, Focal	3	3	2	3	2	2	2	2	3	2	10	2.4
Muscularis, Inflammation, Focal, Chronic Active				2							1	2.0
<hr/>												
Tongue	+	+	+	+	+	+	+	+	+	+	10	

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	10	
Cardiomyopathy, Focal	1										1	1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	I	9	
Accessory Adrenal Cortical Nodule				X							1	

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TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
1000 MG/L	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	M	+	+	+	+	9
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Rathke's Cleft, Cyst				X	X			X	X		4
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	I	+	+	+	+	9
Ovary	+	+	+	+	+	+	+	+	+	+	10
Cyst				2					2		2 2.0
Uterus	+	+	+	+	+	+	+	+	+	+	10
Hydrometra								2			1 2.0

HEMATOPOIETIC SYSTEM

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Page 60

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 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	
	9	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	3	
<hr/>												
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	
1000 MG/L	1	1	1	1	1	1	1	1	1	1	1	
	1	1	1	1	1	1	1	1	1	1	2	
	1	2	3	4	5	6	7	8	9	0		* TOTALS
<hr/>												
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	10
Hyperplasia	1				1	1				1		4 1.0
<hr/>												
Lymph Node	+	+	+	+	+	+	+	+	+	+	+	10
Mediastinal, Hemorrhage								2				1 2.0
Pancreatic, Ectasia	2	2	2	2	1	2	2	1	2	2		10 1.8
Pancreatic, Hemorrhage					2							1 2.0
Pancreatic, Hyperplasia, Lymphoid	3	2	2	3	2	2	2	1	2	2		10 2.1
Pancreatic, Infiltration Cellular, Histiocyte	1	1	2	2	2		2	2	2	3		9 1.9
<hr/>												
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	0
<hr/>												
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Histiocyte	1		1	1			1	1		1		6 1.0
<hr/>												
Spleen	+	+	+	+	+	+	+	+	+	+	+	10
<hr/>												
Thymus	+	+	+	+	+	+	+	+	+	+	+	10

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	+	10

MUSCULOSKELETAL SYSTEM

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TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 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	
	9	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	3	
.....												
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	
1000 MG/L	1	1	1	1	1	1	1	1	1	1	1	
	1	1	1	1	1	1	1	1	1	1	2	
	1	2	3	4	5	6	7	8	9	0		* TOTALS
Bone	+	+	+	+	+	+	+	+	+	+	+	10
.....												
NERVOUS SYSTEM												
Brain	+	+	+	+	+	+	+	+	+	+	+	10
.....												
RESPIRATORY SYSTEM												
Lung	+	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Focal, Chronic						1			1			2 1.0
Nose	+	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	+	10
.....												
SPECIAL SENSES SYSTEM												
Eye	+	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	10
.....												
URINARY SYSTEM												
Kidney	+	+	+	+	+	+	+	+	+	+	+	10

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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

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Date Report Requested: 01/14/2009
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 First Dose M/F: 11/12/01 / 11/11/01
 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
1000 MG/L	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
										* TOTALS
Casts Protein	1									1 1.0
Nephropathy	1									1 1.0
.....										
Urinary Bladder	+ + + + + + + + + +									10

*** END OF REPORT ***

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

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x .. Lesion present

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M .. Missing tissue

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Page 63

1-4 .. Lesion qualified as:

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