

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

**ALIMENTARY SYSTEM**

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

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

+ .. Tissue examined microscopically

x .. Lesion present

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	
<b>0 MG/L</b>	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	<b>* TOTALS</b>

Salivary Glands	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Parotid Gland, Basophilic Focus, Multiple	1	1		1	1	1		2	1		<b>7 1.1</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Tongue	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**CARDIOVASCULAR SYSTEM**

Heart	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Cardiomyopathy, Focal	1		1			1	1	1	1		<b>6 1.0</b>

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Accessory Adrenal Cortical Nodule									X		<b>1</b>
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Pars Distalis, Cyst						1		1			<b>2 1.0</b>

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

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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
.....										
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>0 MG/L</b>	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
										<b>* TOTALS</b>

Thyroid Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
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**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Preputial Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Prostate	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Testes	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Atrophy					1						<b>1 1.0</b>

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Lymph Node	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Mediastinal, Hemorrhage	2			1							<b>2 1.5</b>

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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

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FISCHER 344 RATS MALE 0 MG/L	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	* TOTALS
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	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	

Lymph Node, Mandibular	M	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
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**RESPIRATORY SYSTEM**

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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
<b>* TOTALS</b>											

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

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Harderian Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Nephropathy	1	1	1	1	1						<b>5 1.0</b>
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	<b>10</b>

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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
<b>FISCHER 344 RATS MALE</b> 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
<b>* TOTALS</b>										

**ALIMENTARY SYSTEM**

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

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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
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
<b>62.5MG/L</b>	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
	<b>* TOTALS</b>									

Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Tongue	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**CARDIOVASCULAR SYSTEM**

Heart	+	+	+	+	+						<b>6</b>
Cardiomyopathy, Focal	1		1	1	1				1		<b>5 1.0</b>

**ENDOCRINE SYSTEM**

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

**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
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
<b>62.5MG/L</b>	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
	<b>* TOTALS</b>									

NONE

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+					+	<b>6</b>
Preputial Gland	+	+	+	+	+					+	<b>6</b>
Prostate	+	+	+	+	+					+	<b>6</b>
Seminal Vesicle	+	+	+	+	+					+	<b>6</b>
Testes	+	+	+	+	+					+	<b>6</b>

**HEMATOPOIETIC SYSTEM**

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

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

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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

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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	+	+	+	+	+						<b>6</b>
---------	---	---	---	---	---	--	--	--	--	--	----------

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+						<b>6</b>
Harderian Gland	+	+	+	+	+						<b>6</b>

**URINARY SYSTEM**

Kidney Nephropathy	+	+	+	+	+	+	+	+	+	+	<b>10</b>	<b>1</b>	<b>1.0</b>
Urinary Bladder	+	+	+	+	+						<b>6</b>		

\* .. 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
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
<b>125MG/L</b>	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
	<b>* TOTALS</b>									

**ALIMENTARY SYSTEM**

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

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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1-4 .. 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
.....										
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
<b>125MG/L</b>	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
										<b>* TOTALS</b>

Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Tongue	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**CARDIOVASCULAR SYSTEM**

Heart				+	+		+	+	+	+	<b>6</b>
Cardiomyopathy, Focal							1	1		1	<b>3 1.0</b>

**ENDOCRINE SYSTEM**

Adrenal Cortex				+	+		+	+	+	+	<b>6</b>
Adrenal Medulla				+	+		+	+	+	+	<b>6</b>
Parathyroid Gland				+	+		+	+	+	+	<b>6</b>
Pituitary Gland				+	+		+	+	+	+	<b>6</b>
Pars Distalis, Cyst										1	<b>1 1.0</b>
Thyroid Gland				+	+		+	+	+	+	<b>6</b>

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 x .. Lesion present  
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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
.....										
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>125MG/L</b>	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
	<b>* TOTALS</b>									

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Epididymis				+	+		+	+	+	+	<b>6</b>
Preputial Gland				+	+		+	+	+	+	<b>6</b>
Prostate				+	+		+	+	+	+	<b>6</b>
Seminal Vesicle				+	+		+	+	+	+	<b>6</b>
Testes				+	+		+	+	+	+	<b>6</b>

**HEMATOPOIETIC SYSTEM**

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

\* .. 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	
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	
<b>125MG/L</b>	0	0	0	0	0	0	0	0	0	0	
<b>ANIMAL ID</b>	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	<b>* TOTALS</b>

Spleen				+	+		+	+	+	+	<b>6</b>
Thymus				+	+		+	+	+	+	<b>6</b>

**INTEGUMENTARY SYSTEM**

Mammary Gland				+	+		+	+	+	+	<b>6</b>
Skin				+	+		+	+	+	+	<b>6</b>

**MUSCULOSKELETAL SYSTEM**

Bone				+	+		+	+	+	+	<b>6</b>
------	--	--	--	---	---	--	---	---	---	---	----------

**NERVOUS SYSTEM**

Brain				+	+		+	+	+	+	<b>6</b>
-------	--	--	--	---	---	--	---	---	---	---	----------

**RESPIRATORY SYSTEM**

Lung				+	+		+	+	+	+	<b>6</b>
Inflammation, Focal, Chronic				1			1				<b>2 1.0</b>

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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:  
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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	
ANIMAL ID		0	0	0	0	0	0	0	0	0	0	
FISCHER 344 RATS MALE		0	0	0	0	0	0	0	0	0	0	
125MG/L		2	2	2	2	2	2	2	2	3		
		1	2	3	4	5	6	7	8	9	0	* TOTALS
Nose					+	+		+	+	+	+	6
Trachea					+	+		+	+	+	+	6
<b>SPECIAL SENSES SYSTEM</b>												
Eye					+	+		+	+	+	+	6
Harderian Gland					+	+		+	+	+	+	6
<b>URINARY SYSTEM</b>												
Kidney		+	+	+	+	+	+	+	+	+	+	10
Casts Protein											1	1 1.0
Nephropathy			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
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
<b>250MG/L</b>	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
	<b>* TOTALS</b>									

**ALIMENTARY SYSTEM**

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

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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1-4 .. 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	
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	
<b>250MG/L</b>	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	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10
Tongue	+	+	+	+	+	+	+	+	+	+	10
<b>CARDIOVASCULAR SYSTEM</b>											
Heart	+	+			+			+	+	+	6
Cardiomyopathy, Focal	1	1			1			1		1	5 1.0
<b>ENDOCRINE SYSTEM</b>											
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  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
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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	
.....											
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
<b>250MG/L</b>	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	<b>* TOTALS</b>

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Epididymis	+	+			+			+	+	+	<b>6</b>
Preputial Gland	+	+			+			+	+	+	<b>6</b>
Prostate	+	+			+			+	+	+	<b>6</b>
Seminal Vesicle	+	+			+			+	+	+	<b>6</b>
Testes	+	+			+			+	+	+	<b>6</b>

**HEMATOPOIETIC SYSTEM**

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

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 x .. Lesion present  
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 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
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 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
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TDMS No. 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  
 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
.....										
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>250MG/L</b>	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
										<b>* TOTALS</b>

Lymph Node, Mesenteric Infiltration Cellular, Histiocyte	+	+			+			+	+	+	<b>6</b>	<b>3 1.0</b>
Spleen	+	+			+			+	+	+	<b>6</b>	
Thymus	+	+			+			+	+	+	<b>6</b>	

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+		M				+	+	+	<b>5</b>	
Skin	+	+			+			+	+	+	<b>6</b>	

**MUSCULOSKELETAL SYSTEM**

Bone	+	+			+			+	+	+	<b>6</b>	
------	---	---	--	--	---	--	--	---	---	---	----------	--

**NERVOUS SYSTEM**

Brain	+	+			+			+	+	+	<b>6</b>	
-------	---	---	--	--	---	--	--	---	---	---	----------	--

**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  
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 A .. Autolysis precludes evaluation  
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 1-4 .. Lesion qualified as:  
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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	* 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/>											
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
<b>250MG/L</b>	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	+	+			+			+	+	+	<b>6</b>
Inflammation, Focal, Chronic					1			1			<b>2 1.0</b>
<hr/>											
Nose	+	+			+			+	+	+	<b>6</b>
<hr/>											
Trachea	+	+			+			+	+	+	<b>6</b>
<hr/>											
<b>SPECIAL SENSES SYSTEM</b>											
<hr/>											
Eye	+	+			+			+	+	+	<b>6</b>
<hr/>											
Harderian Gland	+	+			+			+	+	+	<b>6</b>
<hr/>											
<b>URINARY SYSTEM</b>											
<hr/>											
Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Nephropathy	1	1									<b>2 1.0</b>
<hr/>											
Urinary Bladder	+	+			+			+	+	+	<b>6</b>
<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

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
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		4	4	4	4	4	4	4	4	4	5
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

**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	2	1	1		1	2	2			8 1.4
Intestine Small, Ileum												5
Intestine Small, Jejunum												6
Liver												9
Hepatodiaphragmatic Nodule												1
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

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 22

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	0	0
	9	9	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3	3	3
<hr/>												
<b>FISCHER 344 RATS MALE</b>	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
<b>500MG/L</b>	0	0	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0		
												<b>* TOTALS</b>
Parotid Gland, Basophilic Focus, Multiple	1		1		2							<b>3 1.3</b>
Stomach, Forestomach	+ + + + + + + + + +											<b>10</b>
Stomach, Glandular Ulcer	+ + + + + + + + + +											<b>10</b>
												<b>1 2.0</b>
Tongue Granuloma, Focal	+ + + + + + + + + +											<b>10</b>
	1											<b>1 1.0</b>

**CARDIOVASCULAR SYSTEM**

Heart	+ + + + + + + + + +											<b>6</b>
Cardiomyopathy, Focal	1 1 1 1 1 1 1											<b>6 1.0</b>

**ENDOCRINE SYSTEM**

Adrenal Cortex	+ + + + + + + + + +											<b>6</b>
Adrenal Medulla	+ + + + + + + + + +											<b>6</b>
Parathyroid Gland	+ + + + + + + + + + M											<b>5</b>
Pituitary Gland	+ + + + + + + + + +											<b>6</b>
Thyroid Gland	+ + + + + + + + + +											<b>6</b>

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+ .. 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
.....										
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>500MG/L</b>	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
	<b>* TOTALS</b>									

**GENERAL BODY SYSTEM**  
 NONE

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+						<b>6</b>
Preputial Gland	+	+	+	+	+						<b>6</b>
Prostate	+	+	+	+	+						<b>6</b>
Seminal Vesicle	+	+	+	+	+						<b>6</b>
Testes	+	+	+	+	+						<b>6</b>
Atrophy									1		<b>1 1.0</b>

**HEMATOPOIETIC SYSTEM**

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

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

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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
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
<b>500MG/L</b>	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
	<b>* TOTALS</b>									

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
<hr/>										
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>500MG/L</b>	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
										<b>* TOTALS</b>

**RESPIRATORY SYSTEM**

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

**SPECIAL SENSES SYSTEM**

Eye		+	+	+	+	+				
										<b>6</b>
Harderian Gland		+	+	+	+	+				
										<b>6</b>

**URINARY SYSTEM**

Kidney		+	+	+	+	+	+	+	+	
Casts Protein							1			
Nephropathy		1		1			1		1	
										<b>10</b>
										<b>1 1.0</b>
										<b>4 1.0</b>
Urinary Bladder		+	+	+	+	+				
										<b>6</b>

\* .. 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

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
.....										
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>1000 MG/L</b>	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
										<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

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

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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1-4 .. 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 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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+ .. Tissue examined microscopically

x .. Lesion present

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M .. Missing tissue

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1-4 .. Lesion qualified as:

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2) Mild 4) Marked

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**

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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
.....										
<b>FISCHER 344 RATS MALE</b>	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
<b>1000 MG/L</b>	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
										<b>* TOTALS</b>

Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Preputial Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Prostate	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Testes	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	<b>10</b>
-------------	---	---	---	---	---	---	---	---	---	---	-----------

\* .. 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 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)

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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
.....										
<b>FISCHER 344 RATS MALE</b>	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
<b>1000 MG/L</b>	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
	<b>* TOTALS</b>									

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

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	+	M	+	<b>9</b>
Skin	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**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:  
 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	
.....											
<b>FISCHER 344 RATS MALE</b>	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	
<b>1000 MG/L</b>	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0	
											<b>* TOTALS</b>
Bone	+	+	+	+	+	+	+	+	+	+	<b>10</b>
.....											
<b>NERVOUS SYSTEM</b>											
Brain	+	+	+	+	+	+	+	+	+	+	<b>10</b>
.....											
<b>RESPIRATORY SYSTEM</b>											
Lung	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Inflammation, Focal, Acute	1										<b>1 1.0</b>
Inflammation, Focal, Chronic			1					1	1		<b>3 1.0</b>
Metaplasia, Osseous						1					<b>1 1.0</b>
Alveolus, Infiltration Cellular, Histiocyte						1				1	<b>2 1.0</b>
.....											
Nose	+	+	+	+	+	+	+	+	+	+	<b>10</b>
.....											
Trachea	+	+	+	+	+	+	+	+	+	+	<b>10</b>
.....											
<b>SPECIAL SENSES SYSTEM</b>											
Eye	+	+	+	+	+	+	+	+	+	+	<b>10</b>
.....											
Harderian Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Inflammation, Focal, Chronic				1			1				<b>2 1.0</b>

\* .. 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	
.....											
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
<b>1000 MG/L</b>	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	<b>* TOTALS</b>

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Nephropathy	1			1		1				1	<b>4 1.0</b>
.....											
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	<b>10</b>

\*\*\* 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
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
<b>0 MG/L</b>	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
	<b>* TOTALS</b>									

**ALIMENTARY SYSTEM**

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

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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1-4 .. 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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 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

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

+ .. Tissue examined microscopically

x .. Lesion present

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1-4 .. Lesion qualified as:

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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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 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
.....										
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>0 MG/L</b>	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
	<b>* TOTALS</b>									

**GENERAL BODY SYSTEM**  
 NONE

**GENITAL SYSTEM**

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Duct, Ectasia								2			<b>1 2.0</b>
Ovary	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Cyst								2	2		<b>2 2.0</b>
Uterus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Hydrometra			2	2							<b>2 2.0</b>

**HEMATOPOIETIC SYSTEM**

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

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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1-4 .. 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/>										
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>0 MG/L</b>	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
										<b>* TOTALS</b>

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  
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 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked  
 Page 36

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/>											
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
<b>0 MG/L</b>	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	
											<b>* TOTALS</b>
Lung	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Inflammation, Focal, Chronic			1			1		1		1	<b>4 1.0</b>
Metaplasia, Osseous						1					<b>1 1.0</b>
<hr/>											
Nose	+	+	+	+	+	+	+	+	+	+	<b>10</b>
<hr/>											
Trachea	+	+	+	+	+	+	+	+	+	+	<b>10</b>
<hr/>											
<b>SPECIAL SENSES SYSTEM</b>											
<hr/>											
Eye	+	+	+	+	+	+	+	+	+	+	<b>10</b>
<hr/>											
Harderian Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
<hr/>											
<b>URINARY SYSTEM</b>											
<hr/>											
Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</b>
<hr/>											
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	<b>10</b>
<hr/>											

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
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 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
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
<b>62.5MG/L</b>	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
	<b>* TOTALS</b>									

**ALIMENTARY SYSTEM**

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

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1-4 .. Lesion qualified as:

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TDMS No. 20114 - 01  
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 Species/Strain: RATS/F 344/N

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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
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
<b>62.5MG/L</b>	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
										<b>* TOTALS</b>

Parotid Gland, Basophilic Focus, Multiple	1								1	<b>2 1.0</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Glandular	+	+	+	+	+	+	+	+	+	<b>10</b>
Tongue	+	+	+	+	+	+	+	+	+	<b>10</b>

**CARDIOVASCULAR SYSTEM**

Heart	+	+	+	+		+		+		<b>6</b>
-------	---	---	---	---	--	---	--	---	--	----------

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+		+		+		<b>6</b>
Adrenal Medulla	+	+	+	+		+		+		<b>6</b>
Parathyroid Gland	+	+	+	+		+		+		<b>6</b>
Pituitary Gland	+	+	+	+		+		+		<b>6</b>
Thyroid Gland	+	+	+	+		+		+		<b>6</b>

**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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 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
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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
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
<b>62.5MG/L</b>	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
	<b>* TOTALS</b>									

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		

\* .. 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
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>62.5MG/L</b>	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
										<b>* TOTALS</b>

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+		+	+				<b>6</b>
Skin	+		+	+		+	+				<b>5</b>

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+		+	+				<b>6</b>
------	---	---	---	---	--	---	---	--	--	--	----------

**NERVOUS SYSTEM**

Brain	+	+	+	+		+	+				<b>6</b>
-------	---	---	---	---	--	---	---	--	--	--	----------

**RESPIRATORY SYSTEM**

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

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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1-4 .. 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	
.....											
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
<b>62.5MG/L</b>	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	<b>* TOTALS</b>

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+			+		+		<b>6</b>
Harderian Gland	+	+	+	+			+		+		<b>6</b>

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Urinary Bladder	+	M	+	+			+		+		<b>5</b>

\* .. 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 42

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
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
<b>125MG/L</b>	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
										<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

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

\* .. 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
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>125MG/L</b>	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
<b>* TOTALS</b>										

Parotid Gland, Basophilic Focus, Multiple	1		2							<b>2 1.5</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Glandular	+	+	+	+	+	+	+	+	+	<b>10</b>
Tongue	+	+	+	+	+	+	+	+	+	<b>10</b>

**CARDIOVASCULAR SYSTEM**

Heart	+					+	+	+	+	<b>6</b>
Cardiomyopathy, Focal			1					1	<b>2 1.0</b>	

**ENDOCRINE SYSTEM**

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

\* .. 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 44

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
.....										
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>125MG/L</b>	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
	<b>* TOTALS</b>									

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Clitoral Gland	+				+	+	+	+	+	+	<b>6</b>
Ovary	+				+	+		+	+	+	<b>6</b>
Cyst							X				<b>1</b>
Uterus	+				+	+		+	+		<b>6</b>
Hydrometra								2			<b>1 2.0</b>

**HEMATOPOIETIC SYSTEM**

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

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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1-4 .. 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
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
<b>125MG/L</b>	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
										<b>* TOTALS</b>

Spleen	+				+	+	+	+	+		<b>6</b>
Thymus	+				+	+	+	+	+		<b>6</b>

**INTEGUMENTARY SYSTEM**

Mammary Gland	+				+	+	+	+	+		<b>6</b>
Skin	+				+	+	+	+	+		<b>6</b>

**MUSCULOSKELETAL SYSTEM**

Bone	+				+	+	+	+	+		<b>6</b>
------	---	--	--	--	---	---	---	---	---	--	----------

**NERVOUS SYSTEM**

Brain	+				+	+	+	+	+		<b>6</b>
-------	---	--	--	--	---	---	---	---	---	--	----------

**RESPIRATORY SYSTEM**

Lung	+				+	+	+	+	+		<b>6</b>
Inflammation, Focal, Chronic							1				<b>1 1.0</b>

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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

\* .. 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 47

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
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
<b>250MG/L</b>	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
	<b>* TOTALS</b>									

**ALIMENTARY SYSTEM**

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

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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1-4 .. 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/>										
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>250MG/L</b>	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
										<b>* TOTALS</b>

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

**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
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>250MG/L</b>	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
	<b>* TOTALS</b>									

Thyroid Gland	+	+		+	+				+	+	<b>6</b>
---------------	---	---	--	---	---	--	--	--	---	---	----------

**GENERAL BODY SYSTEM**  
 NONE

**GENITAL SYSTEM**

Clitoral Gland	+	+		+	+				+	+	<b>6</b>
Ovary	+	+		+	+				+	+	<b>6</b>
Uterus	+	+		+	+				+	+	<b>6</b>

**HEMATOPOIETIC SYSTEM**

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

\* .. 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	* 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	
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0	
<b>250MG/L</b>	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
<b>INTEGUMENTARY SYSTEM</b>											
Mammary Gland	+	+		+	+				+	+	6
Skin	+	+		+	+				+	+	6
<b>MUSCULOSKELETAL SYSTEM</b>											
Bone	+	+		+	+				+	+	6
<b>NERVOUS SYSTEM</b>											
Brain	+	+		+	+				+	+	6
<b>RESPIRATORY SYSTEM</b>											
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

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
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>250MG/L</b>	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
										<b>* TOTALS</b>

Trachea	+	+		+	+				+	+	<b>6</b>
---------	---	---	--	---	---	--	--	--	---	---	----------

**SPECIAL SENSES SYSTEM**

Eye	+	+		+	+				+	+	<b>6</b>
Harderian Gland	+	+		+	+				+	+	<b>6</b>
Inflammation, Focal, Chronic					1						<b>1 1.0</b>

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Casts Protein	1										<b>1 1.0</b>
Urinary Bladder	+	+		+	+				+	+	<b>6</b>

\* .. 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
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
<b>500MG/L</b>	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
	<b>* TOTALS</b>									

**ALIMENTARY SYSTEM**

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

\* .. 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
	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
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
<b>500MG/L</b>	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

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

**CARDIOVASCULAR SYSTEM**

Heart	+	+	+	+			+	+			<b>6</b>
Cardiomyopathy, Focal							1				<b>1 1.0</b>

**ENDOCRINE SYSTEM**

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

\* .. 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
<b>FISCHER 344 RATS FEMALE</b>	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
<b>500MG/L</b>	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	<b>* TOTALS</b>									

Thyroid Gland	+	+	+	+	+	+	<b>6</b>
---------------	---	---	---	---	---	---	----------

**GENERAL BODY SYSTEM**  
 NONE

**GENITAL SYSTEM**

Clitoral Gland	+	+	+	+	+	+	<b>6</b>
Ovary	+	+	+	+	+	+	<b>6</b>
Uterus	+	+	+	+	+	+	<b>6</b>

**HEMATOPOIETIC SYSTEM**

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

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

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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1-4 .. 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/>												
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	
<b>500MG/L</b>	1	1	1	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	0	0	0	
	1	2	3	4	5	6	7	8	9	0		<b>* TOTALS</b>
<hr/>												
Inflammation, Focal, Chronic					1							<b>1 1.0</b>
<hr/>												
Nose	+	+	+	+			+	+				<b>6</b>
<hr/>												
Trachea	+	+	+	+			+	+				<b>6</b>
<hr/>												
<b>SPECIAL SENSES SYSTEM</b>												
<hr/>												
Eye	+	+	+	+			+	+				<b>6</b>
<hr/>												
Harderian Gland	+	+	+	+			+	+				<b>6</b>
Infiltration Cellular, Lymphoid								2				<b>1 2.0</b>
<hr/>												
<b>URINARY SYSTEM</b>												
<hr/>												
Kidney	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Casts Protein					1							<b>1 1.0</b>
<hr/>												
Urinary Bladder	+	+	+	+			+	+				<b>6</b>
<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  
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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
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
<b>1000 MG/L</b>	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
	<b>* TOTALS</b>									

**ALIMENTARY SYSTEM**

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

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+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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

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	
.....											
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
<b>1000 MG/L</b>	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	<b>* TOTALS</b>

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

**CARDIOVASCULAR SYSTEM**

Heart	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Cardiomyopathy, Focal	1										<b>1</b>	<b>1.0</b>

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	I	<b>9</b>	
Accessory Adrenal Cortical Nodule				X							<b>1</b>	

\* .. 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
.....										
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>1000 MG/L</b>	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
	<b>* TOTALS</b>									

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

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Clitoral Gland	+	+	+	+	+	I	+	+	+	+	<b>9</b>
Ovary	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Cyst				2					2		<b>2 2.0</b>
Uterus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Hydrometra							2				<b>1 2.0</b>

**HEMATOPOIETIC SYSTEM**

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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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/>												
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	
<b>1000 MG/L</b>	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		<b>* TOTALS</b>
<hr/>												
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Hyperplasia	1				1	1				1		<b>4 1.0</b>
<hr/>												
Lymph Node	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Mediastinal, Hemorrhage								2				<b>1 2.0</b>
Pancreatic, Ectasia	2	2	2	2	1	2	2	1	2	2		<b>10 1.8</b>
Pancreatic, Hemorrhage				2								<b>1 2.0</b>
Pancreatic, Hyperplasia, Lymphoid	3	2	2	3	2	2	2	1	2	2		<b>10 2.1</b>
Pancreatic, Infiltration Cellular, Histiocyte	1	1	2	2	2		2	2	2	3		<b>9 1.9</b>
<hr/>												
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	<b>0</b>
<hr/>												
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Infiltration Cellular, Histiocyte	1		1	1			1	1		1		<b>6 1.0</b>
<hr/>												
Spleen	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
<hr/>												
Thymus	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Skin	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**MUSCULOSKELETAL SYSTEM**

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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	0	0	
	9	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	3	
.....												
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	
<b>1000 MG/L</b>	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		<b>* TOTALS</b>
Bone	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
.....												
<b>NERVOUS SYSTEM</b>												
Brain	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
.....												
<b>RESPIRATORY SYSTEM</b>												
Lung	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Inflammation, Focal, Chronic						1			1			<b>2 1.0</b>
Nose	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Trachea	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
.....												
<b>SPECIAL SENSES SYSTEM</b>												
Eye	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
.....												
<b>URINARY SYSTEM</b>												
Kidney	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>

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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	
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	<b>* TOTALS</b>
Casts Protein				1								<b>1 1.0</b>
Nephropathy		1										<b>1 1.0</b>
Urinary Bladder		+	+	+	+	+	+	+	+	+		<b>10</b>

\*\*\* END OF REPORT \*\*\*

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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1-4 .. Lesion qualified as:

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2) Mild 4) Marked