

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

F#2_R2

C Number: C95003
Lock Date: 01/29/2007
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.2.0

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

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+
Intestine Large, Cecum Edema	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
			3								2												2
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	A	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum Epithelium, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+
										3													
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+
Intestine Small, Jejunum	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	A	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basophilic Focus		X		X	X	X	X				X			X	X	X							X
Clear Cell Focus				X	X	X					X			X	X	X							
Degeneration, Cystic			2																			1	
Eosinophilic Focus		X					X				X												
Hepatodiaphragmatic Nodule													X					X					
Infiltration Cellular, Mixed Cell																						1	
Mixed Cell Focus		X				X								X	X								X
Necrosis, Focal																							
Bile Duct, Hyperplasia	1	2	4	2		2		1	4	2	3	1	1	3	3		1	1		2		3	2
Centrilobular, Necrosis											2				2							2	
Hepatocyte, Hyperplasia, Focal			3																				

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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FISCHER 344 RATS MALE 0 MG/KG	DAY ON TEST																									ANIMAL ID	males (cont...)
	0 7 1 6	0 7 3 0	0 7 3 0	0 7 3 0	0 5 9 0	0 7 2 9	0 3 6 8	0 7 3 0	0 6 3 7	0 6 6 3	0 7 7 3	0 5 5 4	0 7 0 3	0 7 1 0	0 7 3 0	0 7 3 2	0 7 3 2	0 5 7 1	0 6 5 3	0 7 3 0	0 6 0 1	0 6 5 9	0 6 9 4				
Hepatocyte, Vacuolization Cytoplasmic Kupffer Cell, Pigmentation	2									3	3									3							
Mesentery Accessory Spleen Fat, Necrosis	+	+				+	+						+	+									+	+			
		3				2	2						3	4													
Oral Mucosa																											
Pancreas Atrophy Cyst Acinus, Cytoplasmic Alteration Acinus, Hyperplasia, Focal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+		
	4	1	4		3		2		1				3	2		3	4	1	1		1	2	2		3	1	
		X	X	X				X	X								X							X	X		
		2															2		2								
Salivary Glands Atrophy	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Stomach, Forestomach Edema Erosion Inflammation, Chronic Active Ulcer Epithelium, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
			2																								
	3												4		3						3						
	4		2									3		2													
Stomach, Glandular Cyst Edema Erosion Inflammation, Chronic Active Ulcer	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
													1		2						1			1			

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	0 7 1 6	0 7 3 0	0 7 3 0	0 7 3 0	0 5 9 0	0 7 2 9	0 3 6 8	0 7 3 0	0 6 6 7	0 6 3 0	0 7 7 3	0 5 2 4	0 7 5 3	0 7 0 0	0 7 1 0	0 7 3 2	0 7 3 2	0 5 7 1	0 6 5 9	0 7 3 0			0 6 0 1	0 6 5 9	0 6 9 4	
0 MG/KG	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 0 0	0 0 0 0 1	0 0 0 0 1	0 0 0 0 1	0 0 0 0 1	0 0 0 0 1	0 0 0 0 1	0 0 0 0 1	0 0 0 0 1	0 0 0 0 2	0 0 0 0 2	0 0 0 0 2	0 0 0 0 2	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5

Hemorrhage
 Necrosis
 Lymphoid Follicle, Hyperplasia

4

Thymus Cyst +
 X

INTEGUMENTARY SYSTEM

Mammary Gland Hyperplasia +
 2 3 3 3 3 4 3 4 4 4 2 2 4 4 2 1

Skin Cyst Epithelial Inclusion +
 Hemorrhage
 Inflammation, Acute
 Ulcer 3 3 4 4 4 3
 Control, Hyperkeratosis 1 1 1 1
 Control Epidermis, Hyperplasia
 Epidermis, Hyperplasia 3 3 4 4 4 3
 Site Of Application, Hyperkeratosis 1 1 1 2 1 1 1 1 1

MUSCULOSKELETAL SYSTEM

Bone +
 Skeletal Muscle +

NERVOUS SYSTEM

Brain +

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 X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate
 I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked

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	0 7 1 6	0 7 3 0	0 7 3 0	0 7 3 0	0 5 9 0	0 7 2 9	0 3 6 8	0 7 6 0	0 6 3 7	0 6 6 3	0 7 7 3	0 7 5 4	0 7 7 3	0 7 7 0	0 7 7 1	0 7 3 3	0 7 3 3	0 7 7 2	0 7 7 2	0 5 5 1	0 6 3 9	0 7 3 0	0 6 0 1	0 6 6 9	0 6 6 4				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	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	2	3	4	5	6	7	8	9	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2		

Harderian Gland
 Hyperplasia, Focal
 Inflammation, Chronic

+ +

Zymbal's Gland

+

URINARY SYSTEM

Kidney
 Infarct
 Inflammation, Chronic
 Nephropathy
 Renal Tubule, Necrosis

+
 4 3 2 3 2 3 2 1 4 4 3 3 2 2 3 3 4 1 3 3 2
 2 3 3

Urinary Bladder

+ +

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| FISCHER 344 RATS MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|-----------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|----------|
| | 07 | 06 | 06 | 07 | 07 | 07 | 07 | 07 | 06 | 07 | 05 | 06 | 06 | 07 | 07 | 07 | 07 | 06 | 07 | 07 | 07 | 07 | 04 | | |
| 0 MG/KG | 31 | 71 | 16 | 31 | 33 | 01 | 38 | 31 | 53 | 32 | 67 | 63 | 73 | 73 | 73 | 73 | 53 | 35 | 33 | 33 | 33 | 33 | 80 | | |
| ANIMAL ID | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | | |
| | 02 | 02 | 02 | 02 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 04 | 04 | 04 | 04 | 04 | 04 | 04 | 04 | 05 | | |
| | 06 | 07 | 08 | 09 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|-------------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Large, Cecum Edema | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
3 2.3 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Intestine Large, Rectum | + | I | + | + | + | + | + | + | + | + | + | + | I | + | + | + | I | + | + | + | + | + | + | 46 |
| Intestine Small, Duodenum Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49
4 2.3 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Basophilic Focus | X | | | X | X | X | | X | | X | X | | | | | X | X | X | X | | | X | 20 | |
| Clear Cell Focus | | | | X | X | | | | | | | | | X | X | X | X | | | X | | | 16 | |
| Degeneration, Cystic | 1 | | | 2 | | | | | | | | | | X | X | X | X | X | | X | | | 4 1.5 | |
| Eosinophilic Focus | X | | | X | | | X | X | X | | X | | | | | | | | | | | | 10 | |
| Hepatodiaphragmatic Nodule | | | | | | | X | | | | | | | | | | | | | | | | 3 | |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | 1 | | 2 1.0 | |
| Mixed Cell Focus | | | | | | X | | | | | | | | | | | X | | | | | | 7 | |
| Necrosis, Focal | | | | | | 2 | | | | | | | | | | | | | | | | | 1 2.0 | |
| Bile Duct, Hyperplasia | 2 | 3 | 3 | 2 | 2 | 1 | 2 | 2 | 3 | | 1 | 2 | | 1 | 1 | | 1 | 1 | 2 | 1 | 1 | 1 | 3 40 1.9 | |
| Centrilobular, Necrosis | | | | | | | | | | | | | | | | | | | | | | | 3 2.0 | |
| Hepatocyte, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |

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| FISCHER 344 RATS MALE
0 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | | | |
|---------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---|-----|-----|-----|-----|
| | 0
7
3
1 | 0
6
7
1 | 0
6
1
6 | 0
7
3
1 | 0
7
3
0 | 0
7
3
1 | 0
7
3
8 | 0
7
3
1 | 0
6
5
3 | 0
7
3
2 | 0
5
6
7 | 0
6
3
4 | 0
6
3
9 | 0
7
3
1 | 0
7
3
0 | 0
7
3
1 | 0
6
5
0 | 0
7
3
1 | 0
7
3
0 | 0
7
3
2 | | 0
7
3
0 | 0
4
8
0 | | | | | | | |
| ANIMAL ID | 0
0
0
2
6 | 0
0
0
2
7 | 0
0
0
2
8 | 0
0
0
2
9 | 0
0
0
3
0 | 0
0
0
3
1 | 0
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3
2 | 0
0
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3 | 0
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4 | 0
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5 | 0
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6 | 0
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7 | 0
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8 | 0
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3
9 | 0
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4
0 | 0
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4
1 | 0
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4
2 | 0
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3 | 0
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4 | 0
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5 | 0
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6 | 0
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4
7 | 0
0
0
4
8 | 0
0
0
4
9 | 0
0
0
5
0 | | | | | |
| Hepatocyte, Vacuolization Cytoplasmic | | | 3 | | | | | | | | | | | 2 | 3 | | | 3 | 3 | | | | | | | 9 | 2.8 | | | |
| Kupffer Cell, Pigmentation | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | | |
| Mesentery | | + | + | | | | | + | | | | | | | | + | | + | | | + | + | | | | | 15 | | | |
| Accessory Spleen | | | | | | | | X | | | | | | | | | | X | | | X | | | | | | 3 | | | |
| Fat, Necrosis | | 4 | 3 | | | | | | | | | | | | | 2 | | | | | | | | 3 | | | 9 | 2.9 | | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | + | | | | 1 | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | | |
| Atrophy | 1 | 2 | | | 1 | 1 | | | | 3 | 4 | 2 | 1 | | 2 | 3 | 2 | 4 | 1 | 2 | 2 | | | | | | 32 | 2.2 | | |
| Cyst | | | | | | X | X | X | | | | | | | | | | | X | | X | | | X | | | 14 | | | |
| Acinus, Cytoplasmic Alteration | | | | | | | 4 | | | | | | | | | 3 | | | | | | | | | | | 2 | 3.5 | | |
| Acinus, Hyperplasia, Focal | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 2.0 | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Atrophy | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Edema | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 3.0 | |
| Erosion | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Ulcer | | | | 2 | | | 4 | | | | | | | | | | | | | | | | | | | 4 | | 6 | 3.3 | |
| Epithelium, Hyperplasia | | | | 3 | | | 2 | | | | | | | | | 1 | | 3 | | | | | | | | | | 8 | 2.5 | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | X | | 1 | | |
| Edema | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Erosion | | | | | 2 | | | | | 2 | | | 1 | | | | | | | | | | | | | | | 7 | 1.4 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | 1 | 4.0 |
| Ulcer | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | 3 | | 4 | 3.0 |

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|-------------|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 4 | |
| 3 | 7 | 1 | 3 | 3 | 3 | 0 | 3 | 5 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 8 | |
| 1 | 1 | 6 | 1 | 0 | 1 | 8 | 1 | 3 | 2 | 7 | 4 | 9 | 1 | 0 | 0 | 1 | 0 | 1 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |

Glands, Hyperplasia

4 1 4.0

Tongue

1

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Cardiomyopathy | 2 | 1 | 3 | 3 | 1 | 2 | 1 | 3 | | 3 | 3 | 1 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 1 | 45 2.5 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Thrombosis | 1 | | | | | | | | | | | | | | | | | | | | | | 5 2.4 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Accessory Adrenal Cortical Nodule | | X | X | | X | | X | | X | | X | | | X | | X | | X | | X | | X | 25 |
| Degeneration, Fatty | | 3 | 2 | 1 | 2 | 2 | 3 | 2 | | 1 | | | 2 | 1 | 2 | 1 | 1 | | 1 | 1 | | | 30 1.7 |
| Hyperplasia, Focal | | | | | 1 | | | | | 1 | | | 1 | | | | | 1 | | | | | 12 1.3 |
| Hypertrophy, Focal | 1 | | | 2 | | | 1 | | | | | | | | | | | | | | | | 7 1.4 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Hyperplasia | | 1 | | 1 | 1 | | 2 | | 3 | | | | | 2 | 2 | 2 | 1 | 1 | 1 | 2 | | 1 | 22 1.8 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Hyperplasia | 1 | | | | | | 1 | | | | | | | | | | | 2 | | | | | 4 1.5 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Pars Distalis, Angiectasis | | | | | | | | | | | | | | | | | | | | | | | 2 1.5 |
| Pars Distalis, Cyst | | X | | | | | | | | | | | | | | | X | | | | | | 2 |
| Pars Distalis, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|-----|-----|
| Compression | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 2.9 | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| Spinal Cord | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|----|-----|
| Lung | | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 14 | 1.4 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 1.0 |
| Nose | | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | | |
| Foreign Body | | | | | | | | | | | | | | | | | | | | | | | | | | | X | 23 | |
| Fungus | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 1.6 |
| Olfactory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 1.3 |
| Respiratory Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 | 1.4 |
| Respiratory Epithelium, Metaplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2.3 |
| Turbinate, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Trachea | | | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|---|-----|
| Eye | | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | | |
| Cataract | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Retina, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2.3 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| FISCHER 344 RATS MALE
0 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------------|
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3 | 0
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2 | 0
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4 | 0
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9 | 0
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1 | 0
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2 | 0
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| ANIMAL ID | 0
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6 | 0
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9 | 50
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19
44
1 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia, Focal | | | | | 1 | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | 4 | | 1 | 4.0 |
| Zymbal's Gland | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Infarct | | | | | | | | | | 2 | | | | | | | | | | | | | | | 1 | 2.0 |
| Inflammation, Chronic | | | | 3 | 3 | 3 | | 2 | | | | | | 2 | 3 | 3 | 3 | 2 | | | 2 | 2 | 2 | 2 | 19 | 2.5 |
| Nephropathy | 2 | 2 | 1 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 1 | 1 | | 3 | 4 | 4 | 3 | 3 | 4 | 1 | 3 | 2 | 3 | 3 | 44 | 2.7 |
| Renal Tubule, Necrosis | | | | | | | | | 4 | | | | | | | | | | | | | | | | 1 | 4.0 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

* .. 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. 95003 - 05
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 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | |
|------------------------------|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|
| FISCHER 344 RATS MALE | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | | 2 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 4 | 7 | 7 | 6 | 6 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | | 7 | 5 |
| 10 MG/KG | | 7 | 3 | 5 | 3 | 7 | 3 | 3 | 3 | 8 | 2 | 3 | 1 | 6 | 9 | 3 | 3 | 3 | 1 | 5 | 3 | 3 | 3 | 5 |
| | | 2 | 0 | 7 | 1 | 0 | 1 | 2 | 1 | 0 | 6 | 2 | 3 | 0 | 1 | 0 | 2 | 1 | 8 | 9 | 0 | 0 | 1 | 4 |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Edema | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | A | + | + | M | A | + | + | + | + | + | + | + | + | + | + |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Basophilic Focus | | X | | X | | | X | X | | | X | | | X | X | X | | | X | X | X | X | X |
| Clear Cell Focus | | X | | X | | | X | X | | | X | | | X | X | | | | X | | X | | X |
| Degeneration, Cystic | | | | | | | | | 2 | | | | | | | | | | | | | | 1 |
| Eosinophilic Focus | | | | | X | | | | | | | | | | | X | | | X | | | | |
| Hepatodiaphragmatic Nodule | | | | | X | | | | | | X | | X | | | | | | | | | X | X |
| Infiltration Cellular, Mixed Cell | | | 3 | | | | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | | | | | X | | | | | | | | | X | | X | X | | X | X | | | |
| Necrosis, Focal | | | | | | | | | | | | | | | | | | | | | | | |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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Lab: SRI

| FISCHER 344 RATS MALE
10 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | |
|---------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|--------------------|---|
| | 0
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2 | 0
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1 | 0
6
7
8 | 0
6
5
9 | 0
7
3
0 | 0
7
3
1 | | | |
| Bile Duct, Hyperplasia | | | | 2 | 4 | | | | 1 | 1 | | 1 | | 1 | 1 | 1 | | | 2 | 2 | 2 | | 1 |
| Centrilobular, Necrosis | | | | | | | | | | | | 4 | | | | | | | 1 | | | | |
| Hepatocyte, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocyte, Vacuolization Cytoplasmic | | | | | | | | | | | | 3 | | | 2 | | | | 2 | | | | |
| Kupffer Cell, Pigmentation | | | | 2 | | | | | | | | | | | | | | | | | | | |
| Oval Cell, Hyperplasia | | | | 3 | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | + | | | | + | + | + | + | | | | + | | | + | | |
| Accessory Spleen | | | | | | | | | | | | | X | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | 4 | | | | | | | | | | | | |
| Mineralization | | | | | | | | | | | 3 | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | 3 | | 3 | | | | | | | | 3 | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Atrophy | | | 1 | 2 | 3 | 1 | 2 | 2 | | 3 | 3 | | 2 | | | 1 | | 3 | 1 | 3 | 3 | | 1 |
| Cyst | | | X | | | | | X | | X | X | | X | X | | | | | | | | | |
| Acinus, Cytoplasmic Alteration | | | | | | | | | | 3 | | | | | | | | 3 | | | | | 3 |
| Acinus, Hyperplasia, Focal | | | | | | | | | 3 | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Atrophy | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | 2 | | | | | | | | | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Edema | | | | | | | | | | | | | | | | | | | | | 3 | | |
| Inflammation, Chronic Active | | | | | | 2 | | | | | | | | | | | | | | | 3 | | |
| Ulcer | | | | | | | | | | | | | | 4 | | | | | | 4 | 4 | | |
| Epithelium, Hyperplasia | | | | | 3 | | | | | | | | | 3 | | | | | | 3 | 3 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| FISCHER 344 RATS MALE
10 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | | | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|--------------------|------------------|------------------|------------------|------------------|------------------|
| | 0
2
7
2 | 0
7
3
0 | 0
6
5
7 | 0
7
3
1 | 0
6
7
0 | 0
7
3
1 | 0
7
3
2 | 0
7
3
1 | 0
4
8
0 | 0
7
2
6 | 0
7
3
0 | 0
6
6
0 | 0
5
9
1 | 0
7
3
0 | 0
7
3
2 | 0
7
3
1 | 0
6
5
8 | 0
7
3
9 | 0
6
3
0 | 0
7
3
0 | | | 0
5
3
0 | 0
7
3
1 | 0
5
4
1 | 0
7
3
4 | 0
5
3
1 |
| Inflammation, Chronic
Metaplasia, Osseous | | | 1 | 1 | | 2 | | | 2 | | | | | | | 1 | | | 1 | | | | 2 | 1 | 2 | | |
| Nose | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Foreign Body | | | X | X | X | X | X | X | X | | | | | X | X | | | | X | | | X | | | | | |
| Fungus | | | | | X | X | X | | | X | | | X | | | | | | | | | X | | | | | |
| Inflammation, Chronic | | | 1 | 2 | 1 | 2 | 3 | 3 | 1 | | 3 | | 3 | | 1 | 3 | | | 1 | | 1 | 3 | | | | | |
| Olfactory Epithelium, Metaplasia, Respiratory | | | 1 | | | | 2 | 1 | 1 | | 1 | | | | | 2 | | | 2 | | | | | | | | |
| Respiratory Epithelium, Hyperplasia | | | 1 | 2 | 2 | 2 | 2 | | | | 3 | | | | | 2 | | | 2 | | | | | | 3 | | |
| Respiratory Epithelium, Metaplasia, Squamous | | | | | | 2 | 2 | 2 | | | | | 3 | | | | | | | | | | | | 3 | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Zymbal's Gland | | | | | | | | | | | | | | | | | | | | | | | | | | + | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cyst | | | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | 3 | | | | | | | | 2 | 3 | | | | | | 2 | | | 3 | | |
| Nephropathy | | | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 4 | 1 | 1 | 1 | 2 | 3 | 3 | 1 | 3 | 3 | 1 | 2 | 3 | 1 | 1 | 4 | |

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

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

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TDMS No. 95003 - 05
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Methyl trans-styryl ketone
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| FISCHER 344 RATS MALE
10 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | |
|---------------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|-----|
| | 0732 | 0733 | 0735 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | | | 0737 | | | |
| ANIMAL ID | 00076 | 00077 | 00078 | 00079 | 00080 | 00081 | 00082 | 00083 | 00084 | 00085 | 00086 | 00087 | 00088 | 00089 | 00090 | 00091 | 00092 | 00093 | 00094 | 00095 | 00096 | 00097 | 00098 | 00099 | 00100 | |
| Bile Duct, Hyperplasia | 1 | 1 | 3 | 1 | 1 | | 2 | 1 | 1 | 3 | | 3 | 2 | | | | 1 | 2 | 1 | 3 | 1 | 1 | 2 | 2 | 31 | 1.6 |
| Centrilobular, Necrosis | | | | | | | | | | 3 | | 4 | | | | | | | 2 | | | | | | 5 | 2.8 |
| Hepatocyte, Hyperplasia, Focal | | | | | | | | | | | | | | | 2 | | | | | | | | | | 1 | 2.0 |
| Hepatocyte, Vacuolization Cytoplasmic | | | | | | | | | 2 | | | | | | | 3 | | 2 | | | | | | | 6 | 2.3 |
| Kupffer Cell, Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Oval Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Mesentery | | | | | + | | | | | | + | + | + | | | | + | | + | + | | | | 14 | | |
| Accessory Spleen | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Fat, Necrosis | | | | | | | | | | | | 1 | 2 | | | | 2 | | 2 | 3 | | | | | 8 | 2.4 |
| Oral Mucosa | | | | | | + | | | | | | | | | | | | | | | | | | | 1 | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Atrophy | | | | 2 | 3 | | 2 | | | 2 | 1 | 3 | | 1 | 1 | | | | 2 | | | 1 | 4 | 4 | 27 | 2.1 |
| Cyst | | | | | X | | | | X | | | | | X | | | | X | | | | | | | 10 | |
| Acinus, Cytoplasmic Alteration | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3.0 |
| Acinus, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Necrosis | | | | | | | | | | | | 2 | | | | | | | | | | | | | 2 | 2.0 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Edema | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.5 |
| Ulcer | | | | | | | | | | 4 | | 1 | | | | | | | | 3 | | | | | 6 | 3.3 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | 3 | | 2 | | | | | 6 | 2.8 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

| FISCHER 344 RATS MALE
10 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|-----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0732 | 0733 | 0735 | 0737 | 0738 | 0739 | 0741 | 0742 | 0743 | 0744 | 0745 | 0746 | 0747 | 0748 | 0749 | 0751 | 0752 | 0753 | 0754 | 0755 | 0756 | 0757 | 0758 | 0759 | |
| ANIMAL ID | 0076 | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098 | 0099 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Edema | | | | | | 2 | | | | 3 | | | | | | | | | 2 | | | | | | 3 2.3 |
| Erosion | | | 1 | | | | | | | 2 | | 3 | | | | | | | | 2 | | | | | 5 2.2 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Ulcer | | | | | | | | | | 3 | | | | | | | | | | 2 | | | | | 3 2.3 |
| Glands, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.5 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------|
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cardiomyopathy | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | 3 | 3 | 1 | 3 | 3 | 1 | 2 | 1 | | 3 | 1 | 3 | 3 | 2 | 3 | 42 2.5 |
| Thrombosis | 3 | | 2 | | | 3 | | | | 4 | | | | | | | | | | | 4 | | | | | 8 3.4 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Accessory Adrenal Cortical Nodule | X | | | | | X | X | X | | | X | | | | X | | | X | | | | | X | X | 21 |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Degeneration, Fatty | 1 | 2 | 1 | | 1 | 2 | 1 | | 1 | | 1 | | 3 | 1 | | | | 3 | | | 1 | 3 | 2 | | 23 1.7 |
| Hyperplasia, Focal | | | | | | | | 1 | | | | | | | | | 1 | | 1 | | | | | | 3 1.0 |
| Hypertrophy, Focal | | | | | 1 | | | | | | 2 | | | 1 | | | | | | 1 | 2 | 3 | | | 11 1.7 |
| Necrosis | | | | | | | | | | | | 4 | | | | | | | | | | | | | 1 4.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia | 3 | | | 1 | | 1 | | | 2 | 1 | 3 | | 2 | 1 | | | | | | 1 | 2 | | 3 | | 17 1.8 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

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

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|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|--------------|
| | 0732 | 0733 | 0735 | 0737 | 0738 | 0739 | 0741 | 0742 | 0743 | 0744 | 0745 | 0746 | 0747 | 0748 | 0749 | 0750 | 0751 | 0752 | 0753 | 0754 | 0755 | 0756 | 0757 | | | |
| ANIMAL ID | 00076 | 00077 | 00078 | 00079 | 00080 | 00081 | 00082 | 00083 | 00084 | 00085 | 00086 | 00087 | 00088 | 00089 | 00090 | 00091 | 00092 | 00093 | 00094 | 00095 | 00096 | 00097 | 00098 | 00099 | | |
| Hyperplasia | | | | | | | 2 | | | | | | | | | | | | | | | 1 | | | 4 1.3 | |
| Parathyroid Gland
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 2.0 |
| Pituitary Gland
Pigmentation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | 1 3.0 |
| Pars Distalis, Angiectasis | | | | | | | 2 | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Pars Distalis, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Pars Distalis, Cyst | | | | | | | | | | | | | | X | | | | | | | | | | | 2 | |
| Pars Distalis, Cytoplasmic Alteration, Focal | | | | | | | | | | | | | | | X | | | | | | | | | | 1 3.0 | |
| Pars Distalis, Hyperplasia, Focal | | | 2 | | | | | | | | | | | | | 3 | | | | | | | | | 9 2.1 | |
| Pars Intermedia, Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Pars Intermedia, Cyst | | | | | | | | | | | | | | X | X | X | | | | | | | X | | 7 | |
| Thyroid Gland
C-cell, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | 45 | 9 1.2 |
| Follicle, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Coagulating Gland
Inflammation, Chronic

1
1 3.0

Epididymis
Inflammation, Chronic

+ + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | **50** | **4 2.3** |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cyst | | | | | | | | | X | | | | | | | | | | | | | | | 4 | |
| Inflammation, Chronic | | | | | | | | 3 | | 2 | | | 2 | 2 | | | | | 2 | | | 2 | | 19 2.2 | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Inflammation, Chronic | 1 | | 2 | 3 | 2 | 2 | 2 | 3 | 2 | | 1 | | 2 | 2 | 2 | | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 42 2.1 | |
| Epithelium, Hyperplasia | | | | 1 | | | | | 3 | | | | | | | | | | 1 | | 1 | | 2 | 9 1.3 | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Artery, Inflammation, Chronic | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | 2 1.0 | |
| Germinal Epithelium, Atrophy | 1 | 2 | | 3 | 4 | 3 | 1 | 2 | 3 | 4 | 1 | 3 | 1 | 1 | 1 | | | | 4 | | 1 | 4 | 2 | 35 2.4 | |
| Interstitial Cell, Hyperplasia | | | | | 1 | | | 1 | 2 | | | | | | | | | | 1 | | 1 | 2 | | 13 1.6 | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia | | | | | | 3 | | | | | | | 3 | | | | | | | | 3 | | | 7 2.9 | |
| Myelofibrosis | | | | | | | | | | | | | | 2 | | | | | | | | | | 2 2.5 | |
| Thrombosis | | | | | | | | | | 4 | | | | | | | | | | | | | | 1 4.0 | |
| Lymph Node | + | + | + | + | + | + | + | | + | + | | + | + | | | | | | | + | | + | | 30 | |
| Mediastinal, Ectasia | | | | | | | | | | | | | 3 | | | | | | | | | | | 6 2.8 | |
| Mediastinal, Hemorrhage | | | | | | | | | | | | | 2 | | | | | | | | | | | 9 1.9 | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | 3 | | | | | | | | | | | 8 2.8 | |
| Mediastinal, Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | 3 2.3 | |
| Pancreatic, Ectasia | | | | | | | 4 | | 2 | | | | | | | | | | | | | | | 3 3.3 | |
| Pancreatic, Hemorrhage | | | | | | | | | 1 | | | | | | | | | | | | | 1 | | 3 1.3 | |
| Pancreatic, Hyperplasia, Histiocytic | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |

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10 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|-----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-----|-----|
| | 0732 | 0733 | 0735 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | | | |
| ANIMAL ID | 00076 | 00077 | 00078 | 00079 | 00080 | 00081 | 00082 | 00083 | 00084 | 00085 | 00086 | 00087 | 00088 | 00089 | 00090 | 00091 | 00092 | 00093 | 00094 | 00095 | 00096 | 00097 | 00098 | 00099 | | | |
| Pancreatic, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2 | 2.5 |
| Pancreatic, Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2 | 3.0 |
| Lymph Node, Mandibular | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | + | M | M | 1 | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2.5 |
| Ectasia | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2.0 |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3 | 1.3 |
| Hyperplasia, Histiocytic | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 3.0 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 12 | 2.2 |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 | 3.0 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Accessory Spleen | | | | | | | | | | | | | | | | | | | | | | X | | 1 | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | 2 | 21 | 1.7 | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2 | 4.0 | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | 4 | 3 | 3.0 | |
| Lymphoid Follicle, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | 4 | 1 | 3.0 | |
| Lymphoid Follicle, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 | 3.0 | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|
| Mammary Gland | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Hyperplasia | | 3 | 2 | 4 | 4 | 3 | 2 | 4 | 1 | | | | | 4 | 4 | | 3 | 2 | | 3 | 2 | 3 | 3 | 33 | 3.0 | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Cyst Epithelial Inclusion | | | | | | | | | | | | | | | | | | | | | | | | X | 1 | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | 4 | 1 | 4.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| FISCHER 344 RATS MALE
10 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|-----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | 0732 | 0733 | 0735 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | |
| ANIMAL ID | 00076 | 00077 | 00078 | 00079 | 00080 | 00081 | 00082 | 00083 | 00084 | 00085 | 00086 | 00087 | 00088 | 00089 | 00090 | 00091 | 00092 | 00093 | 00094 | 00095 | 00096 | 00097 | 00098 | 00099 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|--|--|---|---|---|--|--|---|---|--|---|---|--|--|--|--|---|--|---|--|---|--|----|-----|
| Ulcer | | | | | 4 | 4 | | | | 3 | | | 4 | 4 | | | | | 3 | | 4 | | 4 | | 12 | 3.8 |
| Control, Hyperkeratosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Control Epidermis, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 1.0 |
| Epidermis, Hyperplasia | | | | | 3 | 4 | 4 | | | 3 | | | 3 | 3 | | | | | 3 | | 3 | | 3 | | 14 | 3.1 |
| Epidermis, Site Of Application, Hyperplasia | | | | | 1 | | | | | | | | | | | | | | | | | | | | 3 | 1.0 |
| Site Of Application, Hyperkeratosis | | 1 | | | 1 | | 1 | | | 1 | 1 | | | | | | | | 1 | | 1 | | | | 13 | 1.0 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Fibrous Osteodystrophy | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|-----|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Compression | | | 3 | 2 | 3 | | | | 4 | | | | | 2 | 2 | | 3 | | | 2 | | 3 | | 2 | 3 | 19 | 2.7 |
| Hemorrhage | | | 3 | | | | | | | | | | | 2 | | | | | | | | | | 1 | 4 | 1.8 | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1.0 | |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| Spinal Cord | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Edema | 3 | | | | | | | | | | | | | | | | | | | | | 2 | | 3 | 2.0 |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | 2 | | 2 | 1.5 |
| Infiltration Cellular, Histiocyte | 3 | | 1 | | | 1 | | | | 3 | | 1 | | | | | | 1 | | 1 | 3 | | 1 | 15 | 1.4 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

| FISCHER 344 RATS MALE
10 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|----|--|
| | 0732 | 0735 | 0738 | 0741 | 0744 | 0747 | 0750 | 0753 | 0756 | 0759 | 0802 | 0805 | 0808 | 0811 | 0814 | 0817 | 0820 | 0823 | 0826 | 0829 | | 0832 | 0835 | | | |
| ANIMAL ID | 0076 | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098 | 0099 | | |
| Inflammation, Chronic | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | | 13 | |
| Metaplasia, Osseous | | | | | | | | | | | | | | 1 | | | | | | | | | | | 2 | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Foreign Body | X | X | X | | | X | X | X | | | | X | | | | | | X | | | | X | | | 21 | |
| Fungus | | | | | | | | | | | | | | X | | | | | X | | | X | | | 9 | |
| Inflammation, Chronic | 1 | | | | | 2 | 1 | 2 | 1 | | | 1 | | 3 | | | | 3 | | 3 | | | 3 | | 24 | |
| Olfactory Epithelium, Metaplasia, Respiratory | 1 | | | | | 1 | 1 | 1 | | | | 2 | | | | | | 1 | | | | | | | 13 | |
| Respiratory Epithelium, Hyperplasia | 1 | | | | | 3 | | 1 | 1 | | | 2 | | 2 | | | | 2 | | 2 | | | 2 | | 18 | |
| Respiratory Epithelium, Metaplasia, Squamous | | | | | | | | | | | | | | 2 | | | | | | 1 | | | | | 7 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Inflammation, Chronic | | | | | | 3 | | | | | | | | | | | | | | | | | | | 2 | |
| Zymbal's Gland | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | X | | 2 | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Inflammation, Chronic | 3 | | | | 2 | 3 | | | | 2 | 2 | | | | | | | 2 | | 2 | | | 3 | | 14 | |
| Nephropathy | 3 | 2 | 3 | 2 | 3 | 1 | 2 | 2 | 3 | 2 | 2 | 1 | 3 | 4 | 2 | | 3 | 2 | 3 | 2 | 2 | 1 | 3 | 2 | 47 | |

* .. 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. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| DAY ON TEST | FISCHER 344 RATS MALE | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|--------------------------------------|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-----|
| | 0732 | 0730 | 0765 | 0773 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | | |
| ANIMAL ID | 00076 | 00077 | 00078 | 00079 | 00080 | 00081 | 00082 | 00083 | 00084 | 00085 | 00086 | 00087 | 00088 | 00089 | 00090 | 00091 | 00092 | 00093 | 00094 | 00095 | 00096 | 00097 | 00098 | 00099 | | | |
| Renal Tubule, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 1.0 | |
| Urethra | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Urinary Bladder | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Transitional Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

| FISCHER 344 RATS MALE
30 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
| | 0730 | 0633 | 0731 | 0657 | 0731 | 0673 | 0773 | 0773 | 0773 | 0676 | 0777 | 0777 | 0777 | 0677 | 0777 | 0777 | 0677 | 0776 | 0775 | 0775 | 0677 | 0775 | 0773 | 0773 | 0676 | | |
| Mixed Cell Focus | | | | X | | | | | | | | | | | | | | X | | X | | | | | | | |
| Bile Duct, Hyperplasia
Centrilobular, Necrosis | 2 | 1 | 3 | 1 | | 1 | | 1 | 2 | | | | 1 | | 1 | 1 | 2 | 3 | | | 1 | 1 | 1 | | 1 | | |
| Hepatocyte, Hyperplasia, Focal
Hepatocyte, Vacuolization Cytoplasmic | | | | | | | | | 4 | | | | | | 3 | | | | | | | | | | | | |
| Mesentery
Fat, Necrosis | | | + | | | + | | | | | | | + | | | | | + | | + | | | | | | | |
| Pancreas
Atrophy
Cyst
Acinus, Cytoplasmic Alteration
Acinus, Hyperplasia, Focal | 3 | + | + | + | + | 3 | 2 | 2 | | | | | | | | | | 2 | 2 | | | 3 | 1 | 3 | 3 | | |
| Salivary Glands | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Stomach, Forestomach
Edema
Erosion
Perforation
Ulcer
Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 3 | 3 | | | | | 2 | | | |
| Stomach, Glandular
Edema
Erosion
Ulcer | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 2 | | |
| Tongue | | | | | | | | | | | | | + | + | | | | | | | | | | | | | |

* .. 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. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

| FISCHER 344 RATS MALE
30 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | | |
|-----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|------|------|------|------|
| | 0730 | 0633 | 0731 | 0657 | 0731 | 0673 | 0770 | 0771 | 0771 | 0676 | 0777 | 0777 | 0777 | 0677 | 0777 | 0777 | 0677 | 0777 | 0575 | 0771 | | | 0575 | 0773 | 0773 | 0676 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0001 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0001 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0001 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 0001 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 0001 | |

Epithelium, Hyperplasia

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 2 | 3 | 1 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 |
| Inflammation, Chronic | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| Thrombosis | | | | | | | | | | | | | | | 2 | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Accessory Adrenal Cortical Nodule | | X | | X | X | | | | X | X | | X | | | X | X | X | | | X | X | | | X |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | |
| Degeneration, Fatty | | 3 | 2 | 2 | 3 | | | 1 | | 1 | | 2 | 3 | 3 | | 3 | | | 3 | | | 4 | 2 | |
| Hyperplasia, Focal | | | 2 | 2 | | | | 3 | | | | | | | | | | | | | | | | |
| Hypertrophy, Focal | | 3 | | | | | | | | 2 | | 2 | | | | | | | | | | | | 1 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | 2 | 1 | | | | | | | | | | | | | | | 1 | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | 2 | | | | 1 | 2 | | | | | | | | | | | | | | | | 2 | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pigmentation | | 3 | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Cyst | | | | | X | | | | | | | | | | | | | | | | | | | X |
| Pars Distalis, Cytoplasmic Alteration, Focal | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia, Focal | | 3 | | | | | | | | | | | | | | | | | | | | 2 | | |

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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| FISCHER 344 RATS MALE
30 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | 0730 | 0733 | 0736 | 0739 | 0742 | 0745 | 0748 | 0751 | 0754 | 0757 | 0760 | 0763 | 0766 | 0769 | 0772 | 0775 | 0778 | 0781 | 0784 | 0787 | 0790 | 0793 | 0796 | 0799 | | | 0802 | 0805 | 0808 | 0811 | 0814 | 0817 | 0820 | 0823 | 0826 | 0829 | 0832 | 0835 | 0838 | 0841 | 0844 | 0847 | 0850 | 0853 | 0856 | 0859 | 0862 | 0865 | 0868 | 0871 | 0874 | 0877 | 0880 | 0883 | 0886 | 0889 | 0892 | 0895 | 0898 | 0901 | 0904 | 0907 | 0910 | 0913 | 0916 | 0919 | 0922 | 0925 | 0928 | 0931 | 0934 | 0937 | 0940 | 0943 | 0946 | 0949 | 0952 | 0955 | 0958 | 0961 | 0964 | 0967 | 0970 | 0973 | 0976 | 0979 | 0982 | 0985 | 0988 | 0991 | 0994 | 0997 | 1000 | 1003 | 1006 | 1009 | 1012 | 1015 | 1018 | 1021 | 1024 | 1027 | 1030 | 1033 | 1036 | 1039 | 1042 | 1045 | 1048 | 1051 | 1054 | 1057 | 1060 | 1063 | 1066 | 1069 | 1072 | 1075 | 1078 | 1081 | 1084 | 1087 | 1090 | 1093 | 1096 | 1099 | 1102 | 1105 | 1108 | 1111 | 1114 | 1117 | 1120 | 1123 | 1126 | 1129 | 1132 | 1135 | 1138 | 1141 | 1144 | 1147 | 1150 | 1153 | 1156 | 1159 | 1162 | 1165 | 1168 | 1171 | 1174 | 1177 | 1180 | 1183 | 1186 | 1189 | 1192 | 1195 | 1198 | 1201 | 1204 | 1207 | 1210 | 1213 | 1216 | 1219 | 1222 | 1225 | 1228 | 1231 | 1234 | 1237 | 1240 | 1243 | 1246 | 1249 | 1252 | 1255 | 1258 | 1261 | 1264 | 1267 | 1270 | 1273 | 1276 | 1279 | 1282 | 1285 | 1288 | 1291 | 1294 | 1297 | 1300 | 1303 | 1306 | 1309 | 1312 | 1315 | 1318 | 1321 | 1324 | 1327 | 1330 | 1333 | 1336 | 1339 | 1342 | 1345 | 1348 | 1351 | 1354 | 1357 | 1360 | 1363 | 1366 | 1369 | 1372 | 1375 | 1378 | 1381 | 1384 | 1387 | 1390 | 1393 | 1396 | 1399 | 1402 | 1405 | 1408 | 1411 | 1414 | 1417 | 1420 | 1423 | 1426 | 1429 | 1432 | 1435 | 1438 | 1441 | 1444 | 1447 | 1450 | 1453 | 1456 | 1459 | 1462 | 1465 | 1468 | 1471 | 1474 | 1477 | 1480 | 1483 | 1486 | 1489 | 1492 | 1495 | 1498 | 1501 | 1504 | 1507 | 1510 | 1513 | 1516 | 1519 | 1522 | 1525 | 1528 | 1531 | 1534 | 1537 | 1540 | 1543 | 1546 | 1549 | 1552 | 1555 | 1558 | 1561 | 1564 | 1567 | 1570 | 1573 | 1576 | 1579 | 1582 | 1585 | 1588 | 1591 | 1594 | 1597 | 1600 | 1603 | 1606 | 1609 | 1612 | 1615 | 1618 | 1621 | 1624 | 1627 | 1630 | 1633 | 1636 | 1639 | 1642 | 1645 | 1648 | 1651 | 1654 | 1657 | 1660 | 1663 | 1666 | 1669 | 1672 | 1675 | 1678 | 1681 | 1684 | 1687 | 1690 | 1693 | 1696 | 1699 | 1702 | 1705 | 1708 | 1711 | 1714 | 1717 | 1720 | 1723 | 1726 | 1729 | 1732 | 1735 | 1738 | 1741 | 1744 | 1747 | 1750 | 1753 | 1756 | 1759 | 1762 | 1765 | 1768 | 1771 | 1774 | 1777 | 1780 | 1783 | 1786 | 1789 | 1792 | 1795 | 1798 | 1801 | 1804 | 1807 | 1810 | 1813 | 1816 | 1819 | 1822 | 1825 | 1828 | 1831 | 1834 | 1837 | 1840 | 1843 | 1846 | 1849 | 1852 | 1855 | 1858 | 1861 | 1864 | 1867 | 1870 | 1873 | 1876 | 1879 | 1882 | 1885 | 1888 | 1891 | 1894 | 1897 | 1900 | 1903 | 1906 | 1909 | 1912 | 1915 | 1918 | 1921 | 1924 | 1927 | 1930 | 1933 | 1936 | 1939 | 1942 | 1945 | 1948 | 1951 | 1954 | 1957 | 1960 | 1963 | 1966 | 1969 | 1972 | 1975 | 1978 | 1981 | 1984 | 1987 | 1990 | 1993 | 1996 | 1999 | 2002 | 2005 | 2008 | 2011 | 2014 | 2017 | 2020 | 2023 | 2026 | 2029 | 2032 | 2035 | 2038 | 2041 | 2044 | 2047 | 2050 | 2053 | 2056 | 2059 | 2062 | 2065 | 2068 | 2071 | 2074 | 2077 | 2080 | 2083 | 2086 | 2089 | 2092 | 2095 | 2098 | 2101 | 2104 | 2107 | 2110 | 2113 | 2116 | 2119 | 2122 | 2125 | 2128 | 2131 | 2134 | 2137 | 2140 | 2143 | 2146 | 2149 | 2152 | 2155 | 2158 | 2161 | 2164 | 2167 | 2170 | 2173 | 2176 | 2179 | 2182 | 2185 | 2188 | 2191 | 2194 | 2197 | 2200 | 2203 | 2206 | 2209 | 2212 | 2215 | 2218 | 2221 | 2224 | 2227 | 2230 | 2233 | 2236 | 2239 | 2242 | 2245 | 2248 | 2251 | 2254 | 2257 | 2260 | 2263 | 2266 | 2269 | 2272 | 2275 | 2278 | 2281 | 2284 | 2287 | 2290 | 2293 | 2296 | 2299 | 2302 | 2305 | 2308 | 2311 | 2314 | 2317 | 2320 | 2323 | 2326 | 2329 | 2332 | 2335 | 2338 | 2341 | 2344 | 2347 | 2350 | 2353 | 2356 | 2359 | 2362 | 2365 | 2368 | 2371 | 2374 | 2377 | 2380 | 2383 | 2386 | 2389 | 2392 | 2395 | 2398 | 2401 | 2404 | 2407 | 2410 | 2413 | 2416 | 2419 | 2422 | 2425 | 2428 | 2431 | 2434 | 2437 | 2440 | 2443 | 2446 | 2449 | 2452 | 2455 | 2458 | 2461 | 2464 | 2467 | 2470 | 2473 | 2476 | 2479 | 2482 | 2485 | 2488 | 2491 | 2494 | 2497 | 2500 | 2503 | 2506 | 2509 | 2512 | 2515 | 2518 | 2521 | 2524 | 2527 | 2530 | 2533 | 2536 | 2539 | 2542 | 2545 | 2548 | 2551 | 2554 | 2557 | 2560 | 2563 | 2566 | 2569 | 2572 | 2575 | 2578 | 2581 | 2584 | 2587 | 2590 | 2593 | 2596 | 2599 | 2602 | 2605 | 2608 | 2611 | 2614 | 2617 | 2620 | 2623 | 2626 | 2629 | 2632 | 2635 | 2638 | 2641 | 2644 | 2647 | 2650 | 2653 | 2656 | 2659 | 2662 | 2665 | 2668 | 2671 | 2674 | 2677 | 2680 | 2683 | 2686 | 2689 | 2692 | 2695 | 2698 | 2701 | 2704 | 2707 | 2710 | 2713 | 2716 | 2719 | 2722 | 2725 | 2728 | 2731 | 2734 | 2737 | 2740 | 2743 | 2746 | 2749 | 2752 | 2755 | 2758 | 2761 | 2764 | 2767 | 2770 | 2773 | 2776 | 2779 | 2782 | 2785 | 2788 | 2791 | 2794 | 2797 | 2800 | 2803 | 2806 | 2809 | 2812 | 2815 | 2818 | 2821 | 2824 | 2827 | 2830 | 2833 | 2836 | 2839 | 2842 | 2845 | 2848 | 2851 | 2854 | 2857 | 2860 | 2863 | 2866 | 2869 | 2872 | 2875 | 2878 | 2881 | 2884 | 2887 | 2890 | 2893 | 2896 | 2899 | 2902 | 2905 | 2908 | 2911 | 2914 | 2917 | 2920 | 2923 | 2926 | 2929 | 2932 | 2935 | 2938 | 2941 | 2944 | 2947 | 2950 | 2953 | 2956 | 2959 | 2962 | 2965 | 2968 | 2971 | 2974 | 2977 | 2980 | 2983 | 2986 | 2989 | 2992 | 2995 | 2998 | 3001 | 3004 | 3007 | 3010 | 3013 | 3016 | 3019 | 3022 | 3025 | 3028 | 3031 | 3034 | 3037 | 3040 | 3043 | 3046 | 3049 | 3052 | 3055 | 3058 | 3061 | 3064 | 3067 | 3070 | 3073 | 3076 | 3079 | 3082 | 3085 | 3088 | 3091 | 3094 | 3097 | 3100 | 3103 | 3106 | 3109 | 3112 | 3115 | 3118 | 3121 | 3124 | 3127 | 3130 | 3133 | 3136 | 3139 | 3142 | 3145 | 3148 | 3151 | 3154 | 3157 | 3160 | 3163 | 3166 | 3169 | 3172 | 3175 | 3178 | 3181 | 3184 | 3187 | 3190 | 3193 | 3196 | 3199 | 3202 | 3205 | 3208 | 3211 | 3214 | 3217 | 3220 | 3223 | 3226 | 3229 | 3232 | 3235 | 3238 | 3241 | 3244 | 3247 | 3250 | 3253 | 3256 | 3259 | 3262 | 3265 | 3268 | 3271 | 3274 | 3277 | 3280 | 3283 | 3286 | 3289 | 3292 | 3295 | 3298 | 3301 | 3304 | 3307 | 3310 | 3313 | 3316 | 3319 | 3322 | 3325 | 3328 | 3331 | 3334 | 3337 | 3340 | 3343 | 3346 | 3349 | 3352 | 3355 | 3358 | 3361 | 3364 | 3367 | 3370 | 3373 | 3376 | 3379 | 3382 | 3385 | 3388 | 3391 | 3394 | 3397 | 3400 | 3403 | 3406 | 3409 | 3412 | 3415 | 3418 | 3421 | 3424 | 3427 | 3430 | 3433 | 3436 | 3439 | 3442 | 3445 | 3448 | 3451 | 3454 | 3457 | 3460 | 3463 | 3466 | 3469 | 3472 | 3475 | 3478 | 3481 | 3484 | 3487 | 3490 | 3493 | 3496 | 3499 | 3502 | 3505 | 3508 | 3511 | 3514 | 3517 | 3520 | 3523 | 3526 | 3529 | 3532 | 3535 | 3538 | 3541 | 3544 | 3547 | 3550 | 3553 | 3556 | 3559 | 3562 | 3565 | 3568 | 3571 | 3574 | 3577 | 3580 | 3583 | 3586 | 3589 | 3592 | 3595 | 3598 | 3601 | 3604 | 3607 | 3610 | 3613 | 3616 | 3619 | 3622 | 3625 | 3628 | 3631 | 3634 | 3637 | 3640 | 3643 | 3646 | 3649 | 3652 | 3655 | 3658 | 3661 | 3664 | 3667 | 3670 | 3673 | 3676 | 3679 | 3682 | 3685 | 3688 | 3691 | 3694 | 3697 | 3700 | 3703 | 3706 | 3709 | 3712 | 3715 | 3718 | 3721 | 3724 | 3727 | 3730 | 3733 | 3736 | 3739 | 3742 | 3745 | 3748 | 3751 | 3754 | 3757 | 3760 | 3763 | 3766 | 3769 | 3772 | 3775 | 3778 | 3781 | 3784 | 3787 | 3790 | 3793 | 3796 | 3799 | 3802 | 3805 | 3808 | 3811 | 3814 | 3817 | 3820 | 3823 | 3826 | 3829 | 3832 | 3835 | 3838 | 3841 | 3844 | 3847 | 3850 | 3853 | 3856 | 3859 | 3862 | 3865 | 3868 | 3871 | 3874 | 3877 | 3880 | 3883 | 3886 | 3889 | 3892 | 3895 | 3898 | 3901 | 3904 | 3907 | 3910 | 3913 | 3916 | 3919 | 3922 | 3925 | 3928 | 3931 | 3934 | 3937 | 3940 | 3943 | 3946 | 3949 | 3952 | 3955 | 3958 | 3961 | 3964 | 3967 | 3970 | 3973 | 3976 | 3979 | 3982 | 3985 | 3988 | 3991 | 3994 | 3997 | 4000 | 4003 | 4006 | 4009 | 4012 | 4015 | 4018 | 4021 | 4024 | 4027 | 4030 | 4033 | 4036 | 4039 | 4042 | 4045 | 4048 | 4051 | 4054 | 4057 | 4060 | 4063 | 4066 | 4069 | 4072 | 4075 | 4078 | 4081 | 4084 | 4087 | 4090 | 4093 | 4096 | 4099 | 4102 | 4105 | 4108 | 4111 | 4114 | 4117 | 4120 | 4123 | 4126 | 4129 | 4132 | 4135 | 4138 | 4141 | 4144 | 4147 | 4150 | 4153 | 4156 | 4159 | 4162 | 4165 | 4168 | 4171 | 4174 | 4177 | 4180 | 4183 | 4186 | 4189 | 4192 | 4195 | 4198 | 4201 | 4204 | 4207 | 4210 | 4213 | 4216 | 4219 | 4222 | 4225 | 4228 | 4231 | 4234 | 4237 | 4240 | 4243 | 4246 | 4249 | 4252 | 4255 | 4258 | 4261 | 4264 | 4267 | 4270 | 4273 | 4276 | 4279 | 4282 | 4285 | 4288 | 4291 | 4294 | 4297 | 4300 | 4303 | 4306 | 4309 | 4312 | 4315 | 4318 | 4321 | 4324 | 4327 | 4330 | 4333 | 4336 | 4339 | 4342 | 4345 | 4348 | 4351 | 4354 | 4357 | 4360 | 4363 | 4366 | 4369 | 4372 | 4375 | 4378 | 4381 | 4384 | 4387 | 4390 | 4393 | 4396 | 4399 | 4402 | 4405 | 4408 | 4411 | 4414 | 4417 | 4420 | 4423 | 4426 | 4429 | 4432 | 4435 | 4438 | 4441 | 4444 | 4447 | 4450 | 4453 | 4456 | 4459 | 4462 | 4465 | 4468 | 4471 | 4474 | 4477 | 4480 | 4483 | 4486 | 4489 | 4492 | 4495 | 4498 | 4501 | 4504 | 4507 | 4510 | 4513 | 4516 | 4519 | 4522 | 4525 | 4528 | 4531 | 4534 | 4537 | 4540 | 4543 | 4546 | 4549 | 4552 | 4555 | 4558 | 4561 | 4564 | 4567 | 4570 | 4573 | 4576 | 4579 | 4582 | 4585 | 4588 | 4591 | 4594 | 4597 | 4600 | 4603 | 4606 | 4609 | 4612 | 4615 | 4618 | 4621 | 4624 | 4627 | 4630 | 4633 | 4636 | 4639 | 4642 | 4645 | 4648 | 4651 | 4654 | 4657 | 4660 | 4663 | 4666 | 4669 | 4672 | 4675 | 4678 | 4681 | 4684 | 4687 | 4690 | 4693 | 4696 | 4699 | 4702 | 4705 |

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| FISCHER 344 RATS MALE
30 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|---------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|----------|
| | 0731 | 0685 | 0533 | 0669 | 0663 | 0662 | 0770 | 0773 | 0773 | 0336 | 0466 | 0673 | 0569 | 0679 | 0663 | 0767 | 0673 | 0662 | 0767 | 0565 | 0664 | 0767 | 0564 | 0675 | | |
| ANIMAL ID | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | | |
| Mixed Cell Focus | X | | | | | | X | | | | | X | X | | | | | | | | | | | | 8 | |
| Bile Duct, Hyperplasia | 2 | 1 | | 1 | | 2 | | 1 | | 2 | | 2 | | 3 | | 1 | 1 | | | | 2 | 3 | | | 29 1.6 | |
| Centrilobular, Necrosis | | | | 4 | | | | | | | | | | 2 | | | | | | | | | 1 | | 4 2.5 | |
| Hepatocyte, Hyperplasia, Focal | | 2 | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Hepatocyte, Vacuolization Cytoplasmic | | | | 3 | | 3 | | | 2 | | | | | | | | | | 3 | | | | | | 6 3.0 | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | 7 | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | 3 | | 3 | | | | | 6 2.5 | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Atrophy | | 2 | 1 | 3 | 2 | | 1 | 2 | 1 | | | 3 | 2 | 3 | 3 | 2 | 3 | 1 | | | | 3 | 2 | | 27 2.2 | |
| Cyst | | | X | | | | X | | | | | | | | | X | X | | | X | | | | 7 | | |
| Acinus, Cytoplasmic Alteration | | | | | | | | | | | | | | | | | | | | | | | | | 4 3.0 | |
| Acinus, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 48 | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Edema | | | | | | 3 | | | | | | | | 4 | | | | | | | | 4 | | | 6 3.2 | |
| Erosion | | | | | | 2 | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Perforation | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Ulcer | | | | | | | | | | 4 | | | 3 | 4 | | | | | | | | 4 | | | 8 3.8 | |
| Epithelium, Hyperplasia | | | | | | 3 | | | | | | | 3 | 3 | | 3 | | | | | | 2 | | | 8 2.9 | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Edema | | | | | | | 2 | | | | | | | | | | | | | | | | | | 2 2.0 | |
| Erosion | | 3 | | | | | | | | | | 3 | | | | | | | | | | | 2 | | 6 2.3 | |
| Ulcer | | | | | | | | | 2 | | | | | | | | | | | | | | | | 1 2.0 | |
| Tongue | | | | | | | | | | | | | | | | + | | | | | | + | | | 4 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

| DAY ON TEST | FISCHER 344 RATS MALE | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|-------------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0731 | 0685 | 0533 | 0669 | 0663 | 0773 | 0773 | 0773 | 0346 | 0464 | 0673 | 0567 | 0676 | 0767 | 0676 | 0767 | 0567 | 0676 | 0767 | 0567 | 0676 | 0767 | 0567 | 0676 | |
| ANIMAL ID | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 |

Epithelium, Hyperplasia

1

1 1.0

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Cardiomyopathy | 3 | 3 | 2 | 3 | 3 | 1 | 2 | 3 | 3 | 2 | 3 | 3 | | 1 | 3 | | 2 | | 3 | | 3 | 2 | 3 | 1 | 46 2.6 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Thrombosis | | | | | | 4 | | | | | | | | 3 | | | | | | | | | | | 3 3.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Accessory Adrenal Cortical Nodule | X | X | | | X | X | | | X | X | | X | | | | X | X | | | X | | X | | | 23 |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | 3 | | 1 3.0 |
| Degeneration, Fatty | 1 | | | | | | | 2 | | | | | 2 | | 1 | 2 | | | | | | | 3 | | 20 2.3 |
| Hyperplasia, Focal | 2 | | | | | | | | | | | | | | | | | | | | | | | | 4 2.3 |
| Hypertrophy, Focal | | | | | | | | | | | | | | | | | | | 1 | 2 | | | | | 6 1.8 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia | 1 | | | 1 | 1 | | | | | | | 1 | | | | | 1 | 1 | | 1 | | | 3 | | 11 1.3 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Hyperplasia | | | | | | | | | | | | | 2 | 1 | | | | | | | | | | | 6 1.7 |
| Parathyroid Gland | + | + | + | + | M | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 47 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | 4 | | 2 3.5 |
| Pars Distalis, Cyst | | | | | | | | | X | | | | | | | | | | | | | | | | 3 |
| Pars Distalis, Cytoplasmic Alteration, Focal | | | | | | | | | | | | | | | | | | | | | | | 2 | | 1 2.0 |
| Pars Distalis, Hyperplasia, Focal | | | 2 | | | | | 3 | | | | | | | | | | | | | | | 2 | | 5 2.4 |

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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 Species/Strain: RATS/F 344/N

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Lab: SRI

| FISCHER 344 RATS MALE
30 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|-----------------------------------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 07
31 | 06
85 | 05
34 | 06
30 | 06
94 | 06
32 | 07
70 | 07
73 | 07
30 | 07
33 | 07
33 | 07
33 | 07
33 | 07
33 | 07
33 | 07
33 | 07
33 | 07
33 | 07
33 | 07
33 | 07
33 | 07
33 | 07
33 | 07
33 | | 07
33 |
| ANIMAL ID | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |

Pars Intermedia, Hyperplasia, Focal

1 2.0

Thyroid Gland

+ A + + + + + + + + A A + A + + + + + + A + + 43

Ultimobranchial Cyst

3 1 3.0

C-cell, Hyperplasia

1 1 13 1.6

Follicle, Cyst

X 1 1

Follicle, Degeneration, Focal

1 2.0

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis

+ 50

Granuloma Sperm

1 3.0

Inflammation, Chronic

2 2 3 2.0

Preputial Gland

+ + + + + + M + + + + + + + + + + + + + + + 49

Inflammation, Chronic

18 2.1

Prostate

+ 50

Inflammation, Chronic

39 2.3

Epithelium, Hyperplasia

4 1.5

Seminal Vesicle

+ 50

Inflammation

1 3.0

Inflammation, Chronic

2 2.5

Testes

+ 50

Germinal Epithelium, Atrophy

27 2.3

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

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 .. Lesion qualified as:

X .. Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild 4) Marked

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 Lab: SRI

| FISCHER 344 RATS MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|-----------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0731 | 0685 | 0533 | 0669 | 0663 | 0666 | 0777 | 0777 | 0777 | 0336 | 0466 | 0673 | 0569 | 0667 | 0673 | 0667 | 0673 | 0673 | 0673 | 0554 | 0664 | 0774 | 0567 | 0675 | |
| 30 MG/KG | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | |
| | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | |
| | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | |
| | 668 | 777 | 885 | 993 | 004 | 112 | 220 | 333 | 444 | 555 | 666 | 777 | 888 | 999 | 000 | 111 | 222 | 333 | 444 | 555 | 666 | 777 | 888 | 999 | |

Atrophy 1 1 1.0

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Compression | | | | 3 | 2 | | | | 4 | 3 | 2 | 3 | 2 | 3 | | | 4 | 2 | | 3 | | | | 20 2.9 |
| Fungus | | | X | | | | | | | | | | | | | | | | | | | | | 1 |
| Hemorrhage | | | | | | | | | | | | | | | | | | 2 | | | | | | 2 1.5 |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Perivascular, Inflammation, Pyogranulomatous | | | 2 | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Peripheral Nerve | | | | | | | | | | | | + | | | | | | | | | + | | | 4 |
| Spinal Cord | | | | | | | | | | | | + | | | | | | | | | + | | | 4 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Foreign Body | | | | X | | | | | | | | | | | | | | | | | | | | 1 |
| Hemorrhage | | | | | | | | | 1 | | | | | | | | | | | | | | | 1 1.0 |
| Infiltration Cellular, Histiocyte | | 3 | 1 | | 2 | | | 1 | 1 | 1 | 1 | | | | | | 1 | 1 | | | | | | 17 1.2 |
| Inflammation, Granulomatous | | | | | 2 | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Inflammation, Chronic | | | | | | | | | | 2 | | | | | | | | | | | | | | 7 1.1 |
| Metaplasia, Osseous | | | | | 1 | | | | | | | | | | | | | | | | | 3 | | 2 2.0 |
| Alveolar Epithelium, Hyperplasia | | | | | | 3 | | | | 1 | | | | | | | | | | | | | | 4 2.0 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Foreign Body | | X | | | X | X | X | X | | | X | | | | X | | | X | X | X | | | | 21 |
| Fungus | | | | | | X | | | | | X | | | X | | | | | | | | | | 11 |
| Inflammation, Chronic | | 1 | 2 | | 1 | 1 | 1 | 3 | 1 | 1 | 3 | | | 3 | | | 1 | 1 | | 1 | 1 | | | 31 1.7 |
| Olfactory Epithelium, Metaplasia, Respiratory | | | | | | | 2 | | | | | | | | | | 1 | | 2 | | | 2 | | 6 1.8 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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TDMS No. 95003 - 05
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 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| FISCHER 344 RATS MALE
90 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | |
|---------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|------|------|------|
| | 0732 | 0731 | 0770 | 0778 | 0771 | 0752 | 0744 | 0777 | 0777 | 0777 | 0777 | 0766 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0766 | 0777 | | | 0766 | 0777 | 0777 |
| Mixed Cell Focus | | | | | X | | | X | | X | | | | | | | | | X | | | X | X | | |
| Necrosis, Focal | | | | | | | 3 | | | | | | | | | | | | 2 | | | | | | |
| Bile Duct, Hyperplasia | 1 | 1 | 2 | 3 | | | | 2 | 1 | 2 | 1 | 1 | | 1 | 3 | 3 | 1 | 3 | 3 | 2 | 1 | | 1 | 1 | |
| Centrilobular, Necrosis | | | | | | | | | | | | | | | | | | | 3 | | | | | | |
| Hepatocyte, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| Hepatocyte, Vacuolization Cytoplasmic | | 2 | 2 | | 3 | 2 | | | | | | | | | | | | 3 | | | | | | 2 | |
| Kupffer Cell, Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | + | | | | + | + | | + | + | | | + | | + | | | | + | | |
| Accessory Spleen | | | | | | | | | | X | | X | | | | | | X | | | | | | | |
| Fat, Necrosis | | | | | 2 | | | | 1 | 2 | | | 3 | | | | 3 | | | | | | 3 | | |
| Oral Mucosa | | | | | | + | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Atrophy | 3 | | | | | 3 | | 3 | 3 | 1 | 3 | 2 | | | | 4 | | 2 | | 2 | | | 3 | 3 | 3 |
| Cyst | | | | | | | | X | | X | | | | | | | | X | | X | | X | | X | |
| Acinus, Cytoplasmic Alteration | | | 3 | | | 3 | | | | | | | | | | | | | | | | | | | |
| Acinus, Hyperplasia, Focal | | | | | | 3 | | | | 3 | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Edema | | 3 | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | 2 | | | | | | | | | | | | | | | | | | | 2 | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cyst | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Edema | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|---|--|---|--|---|--|
| Erosion | 1 | | | | | | | | | | | | 2 | | | | | | | | | | 2 | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glands, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 3 | |
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | | + | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heart | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Cardiomyopathy | 3 | 3 | 2 | 1 | 3 | 3 | | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | 2 |
| Thrombosis | | | | | | | | | | | | | 4 | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Adrenal Cortex | + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Degeneration, Fatty | 2 | 2 | 2 | | 3 | | | 1 | | | 3 | | 1 | | 1 | | | 3 | | | 2 | | | 3 | 1 | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hypertrophy, Focal | 2 | | | | | | | | | | | | 2 | | | | | | | | | | 1 | | 2 | |
| Adrenal Medulla | + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | 2 | 2 | 1 | 2 | 3 | 1 | | 2 | | 2 | | | 2 | 1 | | | 2 | | 2 | | | | | 2 | 3 | |
| Islets, Pancreatic | + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | |
| Pituitary Gland | + | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| FISCHER 344 RATS MALE
90 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|-----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|-----------|--------------------|
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2 | | | |
| Pars Distalis, Angiectasis | 4 | | | 2 | | | | | | | | | | | | | | | 2 | | | | | | | |
| Pars Distalis, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia, Focal | 2 | | | 2 | 2 | | 1 | | | | | | | | | | | | 1 | | 1 | | | | | |
| Pars Intermedia, Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Intermedia, Cyst | | | | | | | | | | | | | | | | | X | | | | | X | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | | | |
| Ultimobranchial Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C-cell, Hyperplasia | 2 | 1 | 1 | | | | | | | | | 1 | | | | | | | | | 1 | | | | | |
| Follicle, Degeneration, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coagulating Gland | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preputial Gland | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prostate | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seminal Vesicle | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

| FISCHER 344 RATS MALE
90 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---|-----------|--------------------|---|---|
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0 | | | | | |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | |
| Testes | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic
Germinal Epithelium, Atrophy
Interstitial Cell, Hyperplasia | 2 | 3 | 2 | 1 | 1 | | 2 | 2 | 3 | 2 | 2 | 1 | 3 | 2 | | 1 | 3 | 2 | | 1 | 3 | 1 | 1 | 2 | | | | |
| | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | 1 | 1 | 1 | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | | | | | | | | | | | | 3 | | | | | | | | | | | | 3 | | | | |
| Myelofibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Ectasia | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | |
| Mediastinal, Hemorrhage | 2 | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| Mediastinal, Hyperplasia, Lymphoid | 2 | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| Mediastinal, Pigmentation | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Ectasia | | | | | | | | | | | | 3 | | | | | | | | | | | | 4 | 3 | | | |
| Pancreatic, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| Lymph Node, Mandibular | M | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ectasia | M | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | M | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ectasia | | | | | | | | | | | | 2 | | | | | | | | | | | | 2 | | | | |
| Hemorrhage | | | | | | | | | | | | 2 | | | | | | | | | | | | 1 | 1 | 1 | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | 2 | | | | | | | | | | | | 2 | 2 | 2 | 2 | 2 |
| Spleen | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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Methyl trans-styryl ketone
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| FISCHER 344 RATS MALE
90 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|--|
| | 0729 | 0730 | 0731 | 0732 | 0733 | 0734 | 0735 | 0736 | 0737 | 0738 | 0739 | 0740 | 0741 | 0742 | 0743 | 0744 | 0745 | 0746 | 0747 | 0748 | | 0749 | 0750 | |
| ANIMAL ID | 00176 | 00177 | 00178 | 00179 | 00180 | 00181 | 00182 | 00183 | 00184 | 00185 | 00186 | 00187 | 00188 | 00189 | 00190 | 00191 | 00192 | 00193 | 00194 | 00195 | 00196 | 00197 | 00198 | |
| Mixed Cell Focus
Necrosis, Focal | | X | | | X | | | | | X | | | | X | | X | | X | | | | | | 12
2 2.5 |
| Bile Duct, Hyperplasia
Centrilobular, Necrosis | 2 | 1 | 1 | | 1 | | 1 | 3 | 3 | 1 | 1 | 2 | | 1 | 3 | 2 | | 1 | 1 | 1 | 2 | | 1 | 37 1.6
3 2.0 |
| Hepatocyte, Hyperplasia, Focal
Hepatocyte, Vacuolization Cytoplasmic
Kupffer Cell, Pigmentation | | | | | | | | | | | | | | | 2 | | | | | | | | 1 | 2 1.5
6 2.3
1 2.0 |
| Mesentery
Accessory Spleen
Fat, Necrosis | | | | | + | + | | | | | | | | | + | | | | | + | | | | 12
3
8 2.6 |
| Oral Mucosa | | | | | | | | | | + | | | | | | | | | | | | | | 2 |
| Pancreas
Atrophy
Cyst
Acinus, Cytoplasmic Alteration
Acinus, Hyperplasia, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
26 2.5
10
5 2.8
2 3.0 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Stomach, Forestomach
Edema
Fibrosis
Ulcer
Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
3 3.3
1 3.0
3 3.7
5 2.4 |
| Stomach, Glandular
Cyst
Edema | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
1
1 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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TDMS No. 95003 - 05
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 Lab: SRI

| FISCHER 344 RATS MALE
90 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|-----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0729 | 0730 | 0731 | 0732 | 0733 | 0734 | 0735 | 0736 | 0737 | 0738 | 0739 | 0740 | 0741 | 0742 | 0743 | 0744 | 0745 | 0746 | 0747 | 0748 | 0749 | 0750 | 0751 | 0752 | |
| ANIMAL ID | 0076 | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098 | 0099 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--------------|--------------|--------------|
| Erosion | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4 1.5 | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Glands, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 2.3 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|--------------|
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 2.0 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|--|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cardiomyopathy | 2 | 2 | 3 | 3 | 3 | 2 | | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | | | 3 | | 1 | 2 | 2 | 1 | 1 | 3 | | | 45 2.4 | |
| Thrombosis | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | 3 3.3 | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|--|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Accessory Adrenal Cortical Nodule | X | X | X | | X | X | X | | X | | | | | | X | | | | X | X | | X | | | | | | 26 | |
| Degeneration, Fatty | | | 1 | | 1 | | | 1 | | | 1 | | 1 | 3 | | 1 | 1 | | 1 | | | | | | 2 | | | 25 1.6 | |
| Hyperplasia, Focal | | | | | 1 | | | | | | | | | | | | | | 2 | 1 | | | | | | | | 6 2.0 | |
| Hypertrophy, Focal | | | | | | | | | | | | | 2 | 2 | | | | | | | | | | | | | | 6 1.8 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|--|
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia | | | 2 | | | | | | 1 | 2 | | | | | | | | | 2 | | 1 | | | | | 2 | | 20 1.9 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|--|
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 2 1.0 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|
| Parathyroid Gland | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|

* .. 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. 95003 - 05
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Methyl trans-styryl ketone

CAS Number: 1896-62-4

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

| FISCHER 344 RATS MALE
90 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|-----------------------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| | 0729 | 0730 | 0731 | 0732 | 0733 | 0734 | 0735 | 0736 | 0737 | 0738 | 0739 | 0740 | 0741 | 0742 | 0743 | 0744 | 0745 | 0746 | 0747 | 0748 | 0749 | 0750 | 0751 | 0752 | |
| ANIMAL ID | 001766 | 001767 | 001768 | 001769 | 001770 | 001771 | 001772 | 001773 | 001774 | 001775 | 001776 | 001777 | 001778 | 001779 | 001780 | 001781 | 001782 | 001783 | 001784 | 001785 | 001786 | 001787 | 001788 | 001789 | |
| Pars Distalis, Angiectasis | 2 | | 3 | | | | | | | | | | | | | | | | | | | 2 | | | |
| Pars Distalis, Hyperplasia | | | 2 | | | | 2 | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Hyperplasia, Focal | 2 | | | | | | | | | 3 | | | | | 3 | | | | | | 2 | | | | |
| Pars Intermedia, Angiectasis | | | | 2 | | | | | | 3 | | 2 | | | | | | | | | | | | | |
| Pars Intermedia, Cyst | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Ultimobranchial Cyst | | | | | | 3 | | | | | | | | | | | | | | | | | | 1 3.0 | |
| C-cell, Hyperplasia | | | | | | | | | | 1 | | | | | | | | | | | | | | 6 1.2 | |
| Follicle, Degeneration, Focal | | | | | | | | | | | | | 2 | | | | | | | | | | | 1 2.0 | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coagulating Gland | | | | | | | | | | | | | | | | | | | | | | + | | 1 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | X | | 1 | |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Inflammation, Chronic | | | | | | | | 3 | 2 | | | 2 | | | 3 | 2 | 2 | | 2 | | | | 3 | 13 2.2 | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 4 | | 1 4.0 | |
| Inflammation, Chronic | 2 | | 2 | 1 | 3 | 3 | | | | 2 | 2 | 3 | 3 | 3 | | 1 | 3 | | 3 | 2 | 1 | 3 | 1 | 42 2.4 | |
| Epithelium, Hyperplasia | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | 5 1.0 | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

* .. 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. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| FISCHER 344 RATS MALE
90 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | |
|------------------------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|--------|--------|--------|--------|--|
| | 0729 | 0730 | 0731 | 0732 | 0733 | 0734 | 0735 | 0736 | 0737 | 0738 | 0739 | 0740 | 0741 | 0742 | 0743 | 0744 | 0745 | 0746 | 0747 | 0748 | | 0749 | 0750 | | | | |
| ANIMAL ID | 001766 | 001767 | 001768 | 001769 | 001770 | 001771 | 001772 | 001773 | 001774 | 001775 | 001776 | 001777 | 001778 | 001779 | 001780 | 001781 | 001782 | 001783 | 001784 | 001785 | 001786 | 001787 | 001788 | 001789 | 001790 | | |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Artery, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Germinal Epithelium, Atrophy | 1 | 4 | 2 | | 3 | | | 1 | 1 | | 3 | | 2 | | 1 | 4 | 4 | 4 | | 2 | | 2 | | 2 | 36 2.1 | | |
| Interstitial Cell, Hyperplasia | | | 2 | | 2 | | | | | | | | | | | | | | | | | | | | | 7 1.3 | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 3 | | 3 3.0 | |
| Myelofibrosis | | | | | | | | | | | | | | | | | | | | | | | | 3 | | 1 3.0 | |
| Lymph Node | | | | + | | + | + | | + | + | | + | + | + | + | + | + | | + | | + | | + | | 26 | | |
| Mediastinal, Ectasia | | | | | | | | | | | | | | | | | | | | | | | 4 | | | 2 3.5 | |
| Mediastinal, Hemorrhage | | | | | | 3 | | | | | | | | | | 3 | | | | | | | | | | 4 2.3 | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | 3 | | | | | | 3 | | 3 | 3 | | | | | | | | | | | | 6 2.8 | |
| Mediastinal, Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Pancreatic, Ectasia | | | | | | | | | | | | | | | | | | | | | | | 4 | | | 5 3.4 | |
| Pancreatic, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | 2 | | | | 2 2.0 | |
| Lymph Node, Mandibular | M | M | M | M | M | M | M | M | M | + | M | M | + | M | M | M | M | M | M | M | + | M | M | M | 4 | | |
| Ectasia | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 1 2.0 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | 2 | | | 1 2.0 | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Ectasia | | | | | | | | | | | 3 | | | | | | | | | | | | 2 | | | 5 2.2 | |
| Hemorrhage | | | 2 | | | | | 2 | | | | | | 1 | 2 | | | | | | | | | | | 8 1.5 | |
| Hyperplasia, Lymphoid | | | | 2 | | | | | | | | | 2 | 2 | | | | | | | | | 2 | | | 11 2.0 | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |

* .. 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. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

| FISCHER 344 RATS MALE
90 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | |
|---|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------|
| | 07
29 | 07
23 | 07
33 | 07
11 | 07
22 | 07
33 | 07
69 | 07
57 | 07
66 | 07
70 | 07
44 | 07
72 | 07
66 | 07
94 | 07
16 | 07
73 | 07
32 | 07
33 | 07
20 | 07
75 | | 07
73 | 07
72 | 07
33 | 07
66 | 07
45 | 07
65 | |
| ANIMAL ID | 00176 | 00177 | 00178 | 00179 | 00180 | 00181 | 00182 | 00183 | 00184 | 00185 | 00186 | 00187 | 00188 | 00189 | 00190 | 00191 | 00192 | 00193 | 00194 | 00195 | 00196 | 00197 | 00198 | 00199 | 00200 | 00201 | 00202 | |
| Accessory Spleen | | | | | X | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Fibrosis | | | | | | | | | | | 2 | | | | 3 | | | | | | | | | | | | | 3 2.3 |
| Hematopoietic Cell Proliferation | 2 | | 2 | | 3 | | | | | | | | | | | | | 2 | 1 | 1 | | | | 3 | | | 19 1.9 | |
| Hemorrhage | | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Necrosis | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | 2 3.5 |
| Pigmentation | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | 3 3.0 |
| Thymus | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Hyperplasia | | 3 | 2 | 2 | | 4 | | | | | 2 | 2 | 4 | 2 | 3 | 4 | 1 | 3 | | 2 | 2 | 2 | 3 | 2 | | 2 | 38 2.8 | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cyst Epithelial Inclusion | | | | | | | | | | | | | | | | | | | | | | X | | | | | 1 | |
| Hyperkeratosis | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | 2 3.5 | |
| Ulcer | | | 4 | | 4 | 4 | | | 4 | | | | 4 | | | | | | | | | 4 | | 4 | | | 22 3.9 | |
| Control, Hyperkeratosis | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | |
| Control Epidermis, Hyperplasia | | | | | | | | | | | | | | | 1 | 1 | | | | | 1 | | | | | | 5 1.2 | |
| Epidermis, Hyperplasia | | | 3 | | 4 | 3 | | 2 | 4 | | | | 4 | | | | 3 | | | | | 4 | | 4 | | | 24 3.5 | |
| Epidermis, Site Of Application, Hyperplasia | 2 | 1 | 1 | 1 | 1 | | 1 | | | | 1 | 1 | | 1 | 1 | | 1 | 1 | 1 | | 1 | | 1 | | 1 | 29 1.0 | | |
| Site Of Application, Hyperkeratosis | 3 | 4 | 2 | 1 | 2 | | 2 | 3 | 1 | 1 | 2 | 2 | 2 | | 2 | 1 | 1 | 3 | 2 | 2 | 2 | 3 | 2 | | 4 | 47 2.4 | | |
| Site Of Application, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

* .. 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. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| FISCHER 344 RATS MALE
90 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|-----------------------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|----------|
| | 07 | 07 | 07 | 07 | 07 | 06 | 05 | 06 | 06 | 07 | 07 | 06 | 07 | 06 | 06 | 07 | 07 | 05 | 07 | 07 | 07 | 04 | 06 | | |
| ANIMAL ID | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | | |
| | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 12 | | |
| | 77 | 77 | 77 | 77 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | | |
| | 66 | 67 | 68 | 69 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | | |

Skeletal Muscle

1

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Compression | | | 3 | | | 2 | | | | | 3 | | | 3 | | | 2 | | | 3 | | | | 18 2.9 |
| Peripheral Nerve | | | | | | + | | | | | + | | | | | | | | | | | | | 3 |
| Spinal Cord | | | | | | | + | | | | | + | | | | | | | | | | | | 3 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Foreign Body | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Hemorrhage | 1 | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Infiltration Cellular, Histiocyte | | | | | | 1 | | | 2 | | | 1 | 1 | | | | 1 | | | 1 | 1 | | 1 | 22 1.2 |
| Inflammation, Chronic | | | | | | 1 | | | | | | | | | | | | 1 | 2 | | | 3 | | 9 1.3 |
| Metaplasia, Osseous | | | 1 | 1 | | | | | | | | | | | | | | 1 | | | | | | 4 1.0 |
| Alveolar Epithelium, Hyperplasia | 2 | | | | | | | | | | 1 | | | 1 | | | | | | | | | | 8 1.8 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Foreign Body | X | X | X | X | | X | | X | X | | X | X | | X | | | | | | | X | X | | 24 |
| Fungus | | | | | | X | | X | X | | X | X | | | | | X | | | X | X | X | | 12 |
| Inflammation, Chronic | | | 1 | 1 | 1 | 1 | 3 | | 3 | 3 | | 3 | 1 | 3 | 1 | | | 3 | | | 3 | 4 | 3 | 30 2.1 |
| Olfactory Epithelium, Metaplasia, Respiratory | | | | 1 | 1 | | | | | | 2 | | 2 | | | | | | | 2 | 1 | | | 12 1.5 |
| Respiratory Epithelium, Hyperplasia | | | 2 | 2 | | 2 | | 2 | 3 | | 2 | | 2 | 1 | 1 | | | 2 | | 2 | 3 | 1 | | 23 2.0 |
| Respiratory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Respiratory Epithelium, Metaplasia, Squamous | | | | 1 | | 3 | | 3 | 2 | | 2 | | 2 | | | | | 2 | | | 3 | 1 | | 13 2.1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| FISCHER 344 RATS MALE
90 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | |
|--------------------------------------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| | 07
29 | 07
23 | 07
31 | 07
13 | 07
29 | 06
22 | 05
09 | 06
07 | 06
05 | 06
06 | 07
04 | 07
02 | 06
07 | 06
06 | 07
04 | 06
06 | 07
01 | 07
03 | 05
02 | 07
03 | | 07
02 | 07
03 | 04
06 | 06
05 | |
| ANIMAL ID | 00176 | 00077 | 00078 | 00079 | 00080 | 00081 | 00082 | 00083 | 00084 | 00085 | 00086 | 00087 | 00088 | 00089 | 00090 | 00091 | 00092 | 00093 | 00094 | 00095 | 00096 | 00097 | 00098 | 00099 | 00100 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cataract | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Retina, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | 6 | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Zymbal's Gland | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 16 | |
| Nephropathy | | | | | | | | | | | | | | | | | | | | | | | | | 47 | |
| Renal Tubule, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Renal Tubule, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Renal Tubule, Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Transitional Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Transitional Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |

*** 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
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TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| FISCHER 344 RATS FEMALE
0 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------------|-----------------------|-----------------------|----------------------|
| | 0
7
3
3 | 0
6
7
5 | 0
6
5
9 | 0
7
3
9 | 0
6
2
3 | 0
7
3
3 | 0
7
3
3 | 0
7
1
0 | 0
6
4
4 | 0
7
3
6 | 0
7
3
3 | 0
7
3
3 | 0
7
3
3 | 0
7
3
3 | 0
7
3
2 | 0
7
3
3 | 0
7
3
6 | 0
7
3
6 | 0
6
5
0 | 0
6
3
2 | 0
7
3
2 | 0
4
2
6 | 0
7
3
2 | 0
7
3
2 | | | |
| Mesentery | | + | | | | | | | + | + | | | + | + | | | | | + | + | + | | | | | 0
0
2
0
1 | |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | 0
0
2
0
1 | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | 0
0
2
0
1 | |
| Fat, Necrosis | | | 3 | | | | | | 3 | 3 | | | 3 | 2 | | | 3 | 3 | 3 | | | 3 | 3 | 3 | | 0
0
2
0
1 | |
| Pancreas | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 0
0
2
0
1 | | |
| Atrophy | | | | 2 | | | | | 3 | | | 1 | | | 3 | | 1 | | 2 | 3 | | | | | 0
0
2
0
1 | | |
| Cyst | | | | | | | | | | X | | | | | X | | | | X | | | | | 0
0
2
0
1 | | | |
| Acinus, Cytoplasmic Alteration | | | | | | | | | | | | | | | | | | | | | | | | | 0
0
2
0
1 | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 0
0
2
0
1 | | |
| Atrophy | | | | | | 1 | | | | | | 2 | | | | | 2 | | | | | | | | 0
0
2
0
1 | | |
| Cyst | | | | | | | | | | | X | | | | | | | | | | | | | | 0
0
2
0
1 | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 0
0
2
0
1 | | |
| Edema | | | | | | | | | | | | | | | | | | | | | | | | 2 | 0
0
2
0
1 | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | 4 | 2 | | | 0
0
2
0
1 | | |
| Ulcer | | | | | | | | | 4 | | | | | | | | | | | | | | | | 0
0
2
0
1 | | |
| Epithelium, Hyperplasia | | | | | | | | | 3 | | 1 | | | | | | | | | | 4 | 3 | | | 0
0
2
0
1 | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 0
0
2
0
1 | | |
| Edema | | | | | | | | | | | | | | | | | | | | | | | | | 0
0
2
0
1 | | |
| Erosion | | | | | | | | | | | | | | | | | | | | | | | | | 0
0
2
0
1 | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | 0
0
2
0
1 | | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 0
0
2
0
1 | | |
| Cardiomyopathy | 2 | 1 | | 2 | 1 | 3 | 2 | | 2 | 1 | 1 | 3 | | | | | 1 | 2 | 2 | 1 | 2 | | 2 | 0
0
2
0
1 | | | |

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

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

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

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Accessory Adrenal Cortical Nodule | | | | X | | | | | | | | | | X | X | | X | | | | | | |
| Degeneration, Fatty | 1 | | | | | 2 | | 3 | | 1 | 3 | 3 | | | | | | 4 | 3 | 3 | | | 3 2 |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | 2 | 2 | | | | | |
| Hypertrophy, Focal | 1 | 2 | | 3 | | 2 | | | | 2 | 3 | | | | | | | | | | | | 3 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | 2 | | | | | | | 3 | 2 | | | | | | | |
| Islets, Pancreatic | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Angiectasis | | | | 2 | | | | | | 3 | | | | | | 1 | | | | | 2 | | |
| Pars Distalis, Cyst | | | X | | | X | X | X | | | X | | X | X | X | | | | | X | | X | X |
| Pars Distalis, Hyperplasia, Focal | 2 | | | | | | | | | 3 | | | 1 | | 2 | | | | | | | | |
| Pars Intermedia, Angiectasis | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Intermedia, Cyst | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Intermedia, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ultimobranchial Cyst | | | | | | | 3 | | | | | | | | | | | | | | | | |
| C-cell, Hyperplasia | | | | | | 1 | 1 | | | 1 | 1 | | | 1 | | | | 3 | | | | | 1 1 |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Tissue NOS | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

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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. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

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

Control Epidermis, Hyperplasia 1
 Epidermis, Hyperplasia 4 2 4 3 3
 Epidermis, Ulcer
 Epidermis, Site Of Application, Hyperplasia 1
 Site Of Application, Hyperkeratosis 1 1 1 1

MUSCULOSKELETAL SYSTEM

Bone +
 Skeletal Muscle

NERVOUS SYSTEM

Brain +
 Compression 3 3 2 3 4 2 2 3 4 4 4 3
 Hemorrhage 3 1 2 2 1 2
 Necrosis 2

Peripheral Nerve

Spinal Cord

RESPIRATORY SYSTEM

Lung +
 Hemorrhage 2 2
 Infiltration Cellular, Histiocyte 1 1 1 1
 Inflammation, Chronic 2 2 1 1
 Metaplasia, Osseous
 Pigmentation 2 1

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

TDMS No. 95003 - 05
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 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

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

Alveolar Epithelium, Hyperplasia
 Serosa, Hyperplasia

1 1 1 1 2

Nose
 Foreign Body
 Inflammation, Chronic
 Olfactory Epithelium, Metaplasia, Respiratory
 Respiratory Epithelium, Hyperplasia
 Respiratory Epithelium, Metaplasia, Squamous

+
 1 1 2 1
 1 1

Trachea

+ +

SPECIAL SENSES SYSTEM

Eye
 Cataract
 Retina, Degeneration

+
 2

Harderian Gland
 Atrophy
 Hyperplasia, Focal

+
 2

URINARY SYSTEM

Kidney
 Inflammation, Chronic
 Metaplasia, Lipocyte
 Nephropathy
 Renal Tubule, Accumulation, Hyaline Droplet
 Renal Tubule, Dilatation
 Renal Tubule, Pigmentation

+
 2
 3
 1 1 1 1 2 1 2 1 2 3 3 2 1 3 1 2 3 3 3 2 1 1 2

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 Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| DAY ON TEST | FISCHER 344 RATS FEMALE | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|-------------|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|
| | 0736 | 0738 | 0735 | 0733 | 0736 | 0731 | 0733 | 0733 | 0737 | 0732 | 0732 | 0730 | 0730 | 0734 | 0733 | 0732 | 0733 | 0734 | 0731 | 0732 | | 0736 | 0733 |
| 0 MG/KG | 0022 | 0022 | 0022 | 0022 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0034 | 0034 | 0034 | 0034 | 0034 | 0034 | 0034 | 0034 | 0034 | 0034 |
| ANIMAL ID | 67 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Cecum Edema | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
2 2.0 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 48 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | 46 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Basophilic Focus | X | | X | X | X | | | X | X | X | | X | X | | X | | X | X | | X | X | X | X | 37 |
| Clear Cell Focus | | | | | | | | X | X | X | | | | | | | | | | | | | | 6 |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | X | | | | | | | 5 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | 2 | | | | | | | | 2 2.0 |
| Hepatodiaphragmatic Nodule | X | | X | | | | | X | | | X | | | | | | X | | | X | | | | 9 |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | 2 | | | | | | | | | | | 3 | | 6 1.8 |
| Mixed Cell Focus | X | | | | | X | | | | | | | | | | X | | | | | X | X | | 6 |
| Bile Duct, Hyperplasia | 1 | 3 | 1 | | | | 2 | | | | | | | | | | | | | 1 | | | | 5 1.6 |
| Centrilobular, Necrosis | | | | | | | | | | | | 1 | | | | | | | | | | | | 1 1.0 |
| Hepatocyte, Vacuolization Cytoplasmic | | | | | | | 3 | | 2 | | | | | 4 | | | 2 | | | 2 | | | | 6 2.5 |
| Kupffer Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |

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TDMS No. 95003 - 05
 Test Type: CHRONIC
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone
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 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

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

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cyst | X | | | X | | | | X | | | | | | | X | | | | | | | | 6 | |
| Hyperplasia | | | | | | 1 | | | | | | | | | | | | | | 1 | | | 3 | 1.3 |
| Inflammation, Chronic | | | | | | | 2 | | | | | | | 2 | | | 3 | | | | | | 9 | 2.3 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cyst | | | | | | X | | X | | | X | | | | X | | | | | | X | | 10 | |
| Interstitial Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia, Cystic | | | | | | | | | | | | | | | | | | | | | | 3 | 5 | 2.6 |
| Vagina | | + | | | | + | | | | | | | | + | | | | + | | | | | 6 | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia | | | | | | | | | | | | | | 2 | | | 3 | | | | | | 3 | 2.7 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Lymph Node | | + | | | | | | | | | + | | + | + | | | + | + | | + | | + | 16 | |
| Bronchial, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | 3 | | | | | | 1 | 3.0 |
| Mediastinal, Ectasia | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Mediastinal, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | 2 | | | 2 | | | | | | 2 | | | | 5 | 2.4 |
| Mediastinal, Pigmentation | | | | | | | | | | | | | | | | | | | | | | 2 | 5 | 2.8 |
| Pancreatic, Ectasia | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Pancreatic, Pigmentation | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |

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Methyl trans-styryl ketone

CAS Number: 1896-62-4

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

| FISCHER 344 RATS FEMALE
0 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|----------|--------|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | | |
| ANIMAL ID | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | | |
| Lymph Node, Mandibular | M | + | M | M | M | M | M | M | + | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | 3 | |
| Lymph Node, Mesenteric Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 | | |
| Hyperplasia, Histiocytic | | | | | | | | | | | | | | | | | | | | | | | | 4 1.5 | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | 11 2.3 | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | | |
| Hematopoietic Cell Proliferation | 2 | | | | | | | | | | | | | | | | | | | | | | | 33 1.9 | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 2 4.0 | | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | 15 3.0 | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Hyperplasia | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | | 3 | 3 | 2 | 4 | 4 | 2 | 4 | 3 | | 4 | 3 | 3 | 2 | 4 | 48 2.9 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Cyst Epithelial Inclusion | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Hyperkeratosis | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | 5 3.2 | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | 3 3.3 | | |
| Control, Hyperkeratosis | | | | | | | | | | | | | | | | | | | | | | | | 6 1.0 | | |
| Control, Epidermis, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | | |

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

| FISCHER 344 RATS FEMALE
0 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------|
| | 0
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3
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8 | 0
6
0
5 | 0
7
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6 | 0
7
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6 | 0
7
2
9 | 0
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7 | 0
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7
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2 | 0
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6 | | 0
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3 | 0
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3 | | |
| ANIMAL ID | 0
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9 | |
| Control Epidermis, Hyperplasia | | | | 1 | | | | 1 | | | | 1 | | | | | | | | 1 | | | | | 5 1.0 |
| Epidermis, Hyperplasia | 4 | | | | | | | | | | | | | | 4 | 3 | | | | 3 | 3 | | | | 10 3.3 |
| Epidermis, Ulcer | | | | | | | | | | | | | | | | | | | | | | 1 | | | 1 1.0 |
| Epidermis, Site Of Application, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Site Of Application, Hyperkeratosis | | | | | 1 | 1 | | | | | | | | | | | 2 | | | | | | | | 9 1.1 |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Compression | | | | | 4 | | | | | | 2 | | | 3 | 3 | | 3 | 2 | 3 | 4 | 2 | | | | 21 3.0 |
| Hemorrhage | | | | | | | | | | 1 | 1 | | | | | | | | | 3 | | | | | 8 1.8 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Peripheral Nerve | | | | | + | | | | | | | | | | | | | | | | | | | | 1 |
| Spinal Cord | | | | | + | | | | | | | | | | | | | | | | | | | | 1 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hemorrhage | | | | | 3 | | | | | 1 | | | | | 1 | | | 3 | | 3 | | | | | 7 2.1 |
| Infiltration Cellular, Histiocyte | 1 | | | 1 | 1 | | 1 | | | 2 | | 1 | 2 | 1 | | | | | | | | | 1 | | 14 1.1 |
| Inflammation, Chronic | | | | | 1 | | | | | | | | | | 1 | 1 | | | | 1 | | 1 | | | 10 1.2 |
| Metaplasia, Osseous | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Pigmentation | | | | | | | | | | | | | | | 2 | | | | | | | | 1 | | 4 1.5 |

* .. 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. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

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

Alveolar Epithelium, Hyperplasia 5 1.2
 Serosa, Hyperplasia 2 1 2.0

Nose + + + + + + + + + + + + + + + + + A + A + + + 48
 Foreign Body X X 2
 Inflammation, Chronic 1 1 1 8 1.1
 Olfactory Epithelium, Metaplasia, Respiratory 1 2 1.0
 Respiratory Epithelium, Hyperplasia 1 5 1.2
 Respiratory Epithelium, Metaplasia, Squamous 1 1 1.0

Trachea + 50

SPECIAL SENSES SYSTEM

Eye + 50
 Cataract 3 2 2 2.5
 Retina, Degeneration 4 3 3 4 3.0
 Harderian Gland + 50
 Atrophy 1 2.0
 Hyperplasia, Focal 1 2 1.0

URINARY SYSTEM

Kidney + 50
 Inflammation, Chronic 3 2 2 4 2.3
 Metaplasia, Lipocyte 1 3.0
 Nephropathy 2 1 1 1 1 3 3 1 4 3 1 1 3 3 1 2 2 2 1 2 1 2 45 1.8
 Renal Tubule, Accumulation, Hyaline Droplet 3 1 3.0
 Renal Tubule, Dilatation 3 1 3.0
 Renal Tubule, Pigmentation 2 1 2.0

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

TDMS No. 95003 - 05
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

| FISCHER 344 RATS FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|-----|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | | |
| 0 MG/KG | 006 | 008 | 005 | 006 | 006 | 009 | 004 | 003 | 003 | 007 | 002 | 003 | 002 | 000 | 004 | 003 | 002 | 006 | 003 | 004 | 000 | 003 | 004 | 006 | 1 | 2.0 |
| | 002 | 002 | 002 | 002 | 002 | 002 | 002 | 002 | 002 | 002 | 002 | 002 | 002 | 002 | 002 | 002 | 002 | 002 | 002 | 002 | 002 | 002 | 002 | 002 | 50 | 3.0 |
| Transitional Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 2.0 |
| Urinary Bladder Hemorrhage | + | | | | | | | | | | | | | | | | | | | | | | | 50 | 1 | 3.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| FISCHER 344 RATS FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|-------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|
| | 0736 | 0734 | 0732 | 0730 | 0728 | 0726 | 0724 | 0722 | 0720 | 0718 | 0716 | 0714 | 0712 | 0710 | 0708 | 0706 | 0704 | 0702 | 0700 | 0698 | 0696 | 0694 | 0692 | 0690 | | |
| 10 MG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0051 | |

CARDIOVASCULAR SYSTEM

Blood Vessel

Heart

Cardiomyopathy
 Thrombosis

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| 2 | | | 3 | 2 | 3 | | 2 | | 3 | 2 | 1 | 2 | | 2 | 2 | | 1 | 1 | 1 | 1 | 2 | 2 | 1 | |
| | 4 | | | | | | | | | | | | | | | | | | | | | | | 2 |

ENDOCRINE SYSTEM

Adrenal Cortex

Accessory Adrenal Cortical Nodule
 Atrophy
 Degeneration, Fatty
 Hyperplasia, Focal
 Hypertrophy, Focal

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| X | | X | | X | | | | X | | X | X | | | X | | X | X | | X | | | | X |
| 4 | 3 | | 3 | 2 | 3 | | | 4 | 2 | | | | | | | | 1 | 1 | 1 | 1 | | | |
| 3 | | | | | | | | | | 2 | | 3 | | 2 | | | 1 | | | 2 | | | |
| | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | |

Adrenal Medulla

Hyperplasia

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

Islets, Pancreatic

Hyperplasia

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | 2 | | | | | | | | | | | | | | | | | | | | |

Parathyroid Gland

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

Pituitary Gland

Pars Distalis, Angiectasis
 Pars Distalis, Cyst
 Pars Distalis, Cytoplasmic Alteration, Focal
 Pars Distalis, Hyperplasia, Focal
 Pars Intermedia, Angiectasis

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | X | X | | | X | | | | X | | | | X | | | | | | | | | X |
| | | | | | | | 3 | | | 2 | | | | | | | | 3 | | | | | |

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

+ .. Tissue examined microscopically

X .. Lesion present

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Lab: SRI

| FISCHER 344 RATS FEMALE
10 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|-------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|
| | 0736 | 0734 | 0732 | 0733 | 0731 | 0735 | 0737 | 0738 | 0739 | 0740 | 0741 | 0742 | 0743 | 0744 | 0745 | 0746 | 0747 | 0748 | 0749 | 0750 | 0751 | 0752 | 0753 | 0754 | 0755 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00051 | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 00052 | |
| | 3 | 2 | 7 | 3 | 3 | 1 | 3 | 0 | 0 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 9 | 3 | 4 | 3 | 3 | 7 | 3 | 2 | 6 | 00053 | |
| | 6 | 4 | 2 | 3 | 6 | 5 | 6 | 8 | 3 | 6 | 3 | 3 | 6 | 6 | 2 | 7 | 1 | 6 | 2 | 2 | 3 | 8 | 6 | 4 | 2 | 00054 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00055 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00056 | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 00057 | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 00058 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 00059 | |

Pars Intermedia, Cyst

X

Thyroid Gland

+ +

C-cell, Hyperplasia

1 1 2 2 1

Follicle, Cyst

Follicular Cell, Hyperplasia

1

GENERAL BODY SYSTEM

Tissue NOS

GENITAL SYSTEM

Clitoral Gland

+ +

Cyst

X X

Hyperplasia

1

Inflammation, Chronic

3

3

Ovary

+ +

Cyst

X X X X

Uterus

+ +

Hyperplasia, Cystic

3 2

Vagina

+ + + +

Cyst

X

HEMATOPOIETIC SYSTEM

Bone Marrow

+ +

Angiectasis

3

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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

Brain +
 Compression 1 1 4 3 3 2 4 3 3
 Hemorrhage
 Necrosis

Peripheral Nerve +

Spinal Cord +
 Atrophy

RESPIRATORY SYSTEM

Lung +
 Edema 2
 Hemorrhage 1
 Infiltration Cellular, Histiocyte 2 1 1 1 3 1 3 1
 Inflammation, Chronic 1 1 1 2 1
 Metaplasia, Osseous 1
 Pigmentation 1 3 2
 Alveolar Epithelium, Hyperplasia 2

Nose +
 Foreign Body
 Inflammation, Chronic 2

Trachea +

SPECIAL SENSES SYSTEM

Eye +
 Cataract 3

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

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| FISCHER 344 RATS FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|-------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|
| | 0
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6 | 0
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4 | 0
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6 | 0
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6 | 0
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2 | 0
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2 | 0
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3
2 | 0
7
3
3 | 0
5
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8 | 0
7
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6 | 0
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4 | 0
7
3
6 | | | |
| 10 MG/KG | 0
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7 | 0
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8 | 0
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9 | 0
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0 | 0
0
7
1 | 0
0
7
2 | 0
0
7
3 | 0
0
7
4 | 0
0
7
5 | | |

Inflammation, Acute
 Inflammation, Chronic Active
 Retina, Degeneration

4

Harderian Gland
 Atrophy
 Hyperplasia, Focal
 Inflammation, Chronic

+ +

1 1

URINARY SYSTEM

Kidney
 Cyst
 Inflammation, Chronic
 Inflammation, Chronic Active
 Nephropathy
 Renal Tubule, Accumulation, Hyaline Droplet
 Renal Tubule, Pigmentation

+ +

2
 2 1 2 3 1 1 1 3 2 1 3 1 2 3 3 1 1 2 1 2 2 1
 2 2
 3

Urinary Bladder
 Metaplasia, Squamous

+ +

* .. 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. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| FISCHER 344 RATS FEMALE
10 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|-------------------------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|-----|-----|
| | 04 | 07 | 07 | 07 | 07 | 07 | 06 | 05 | 07 | 07 | 05 | 05 | 05 | 06 | 06 | 07 | 07 | 07 | 05 | 07 | | 06 | 07 |
| ANIMAL ID | 093 | 076 | 073 | 073 | 073 | 070 | 088 | 057 | 032 | 036 | 055 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 |
| | 276 | 277 | 277 | 277 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|--|--------|
| Blood Vessel | | | | | | | | | | | | | | | | | | | | | + | 1 | | | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Cardiomyopathy | 1 | 2 | | 3 | 3 | 1 | | | 2 | 3 | | | 1 | | 1 | 1 | 2 | 2 | 2 | | 1 | 3 | 3 | 2 | | 35 1.9 |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | 3 | | | | 3 3.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|--------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Accessory Adrenal Cortical Nodule | X | X | X | | | | | | X | X | | | X | X | | | X | | | | | | | | 19 |
| Atrophy | | | | | | 3 | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Degeneration, Fatty | | 2 | | | 3 | 1 | 3 | | 1 | 2 | | | | | | | 3 | | 2 | 1 | 3 | | 1 | | 22 2.1 |
| Hyperplasia, Focal | | 1 | | | | | | | | | | | | | | | | | | | | | | | 7 2.0 |
| Hypertrophy, Focal | | | | | 3 | 3 | | | 1 | 2 | | | | | 2 | | 3 | | 2 | | | | 2 | | 11 1.9 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | 1 | | | | 3 1.7 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Hyperplasia | | | | 1 | | | | | | | | | | | | | | | | | | | | | 2 1.5 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Pars Distalis, Angiectasis | | | | | | 4 | | | | | 3 | | | | | | | | | | | | | 2 3.5 | |
| Pars Distalis, Cyst | X | | X | X | | | X | | X | | | | | | X | | | | X | X | | | | 14 | |
| Pars Distalis, Cytoplasmic Alteration, Focal | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Pars Distalis, Hyperplasia, Focal | 2 | | | | 2 | | | | | | | | | | | | | | | | | | | 4 2.3 | |
| Pars Intermedia, Angiectasis | | | 2 | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |

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

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

| FISCHER 344 RATS FEMALE
10 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|-------------------------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|----|
| | 04 | 07 | 07 | 07 | 07 | 07 | 06 | 05 | 07 | 07 | 05 | 05 | 05 | 06 | 06 | 07 | 07 | 07 | 05 | 07 | | 06 | 07 |
| ANIMAL ID | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |
| | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 23 |
| | 77 | 77 | 77 | 77 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 |
| | 66 | 67 | 68 | 69 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 09 |

Pars Intermedia, Cyst

X 2

Thyroid Gland

+ 50

C-cell, Hyperplasia

3 10 1.4

Follicle, Cyst

X X 2

Follicular Cell, Hyperplasia

1 1.0

GENERAL BODY SYSTEM

Tissue NOS

+ 1

GENITAL SYSTEM

Clitoral Gland

+ 50

Cyst

2

Hyperplasia

1 1.0

Inflammation, Chronic

2 3 2 5 2.6

Ovary

+ 50

Cyst

7

Uterus

+ 50

Hyperplasia, Cystic

3 3 4 2.8

Vagina

+ 6

Cyst

1

HEMATOPOIETIC SYSTEM

Bone Marrow

+ 50

Angiectasis

1 3.0

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

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 .. Lesion qualified as:

X .. Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild 4) Marked

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10 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|--------------------------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|
| | 04 | 07 | 07 | 07 | 07 | 07 | 06 | 05 | 07 | 07 | 05 | 05 | 05 | 06 | 06 | 07 | 07 | 07 | 05 | 07 | 06 | 07 | 07 | 07 | |
| ANIMAL ID | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myelofibrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deep Cervical, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deep Cervical, Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Ectasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Ectasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Hyperplasia, Histiocytic | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ectasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ectasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Histiocytic | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | |

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

M .. Missing tissue
 A .. Autolysis precludes evaluation
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 2) Mild 4) Marked

TDMS No. 95003 - 05
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 Lab: SRI

| FISCHER 344 RATS FEMALE
10 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----|-----|-----|-----|
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| ANIMAL ID | 0
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9 | 0
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0 | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | | |
| Pigmentation | 3 | 3 | | | | | 3 | | | | 3 | | | 3 | | | | 4 | | | | 3 | | 12 | 3.1 | | |
| Thymus Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | 1 | 3.0 | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland Hyperplasia Inflammation, Chronic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 48 | 2.7 | |
| | | 3 | 4 | 2 | 3 | 2 | 2 | 2 | 3 | 4 | 2 | 3 | 3 | 2 | 4 | 2 | 3 | 4 | 3 | 3 | 2 | 4 | 3 | 3 | 2 | 2 | 3.5 |
| Skin Hyperkeratosis Inflammation, Chronic Ulcer | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 4.0 |
| Control, Hyperkeratosis | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 3.5 | |
| Control Epidermis, Hyperplasia | | | | | | | | 1 | | | | | | | | | | | | | | | | 1 | 1 | 1.0 | |
| Epidermis, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 1.0 | |
| Epidermis, Site Of Application, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 4 | 5 | 3.4 | |
| Site Of Application, Hyperkeratosis | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1.0 | |
| | | | 1 | 1 | 1 | | 1 | | | | | | 1 | | | | | | | | | | | 1 | 11 | 1.0 | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Femur, Osteopetrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 2 | 2.5 | |
| | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2 | | |
| Skeletal Muscle | + | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
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TDMS No. 95003 - 05
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
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 CAS Number: 1896-62-4

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 Lab: SRI

| FISCHER 344 RATS FEMALE
10 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|-------------------------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|
| | 04 | 07 | 07 | 07 | 07 | 07 | 06 | 05 | 07 | 07 | 05 | 05 | 05 | 06 | 06 | 07 | 07 | 07 | 05 | 07 | 06 | 07 | 07 | 07 | |
| ANIMAL ID | 093 | 026 | 073 | 073 | 072 | 073 | 066 | 057 | 072 | 076 | 053 | 053 | 050 | 066 | 069 | 076 | 073 | 073 | 054 | 073 | 063 | 073 | 073 | 073 | |
| | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | |
| | 276 | 277 | 277 | 277 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 299 | 299 | 299 | 299 | 299 | 299 | 299 | 299 | 299 | 299 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Compression | | 3 | | | 1 | | 3 | 3 | | 3 | | 4 | | 3 | 3 | | 1 | 4 | 2 | 1 | | 3 | 3 | 1 | 28 2.6 |
| Hemorrhage | | 3 | | | | | | | | | | | | 4 | 2 | | | | | | | | | | 3 3.0 |
| Necrosis | | 3 | | | 1 | | | | | | | | | 2 | | | | | | | | | | | 3 2.0 |
| Peripheral Nerve | + | | | | + | | | | | | | | | | | | | | | | | | | | 3 |
| Spinal Cord | + | | | | + | | | | | | | | | | | | | | | | | | | | 3 |
| Atrophy | | 3 | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Edema | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Hemorrhage | | | | | | | | 2 | | | | | | | | 1 | | | | 1 | | | | | 4 1.3 |
| Infiltration Cellular, Histiocyte | | | | 1 | | | | | | | 1 | | | | | | 1 | | | 1 | | 1 | 1 | | 16 1.3 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | 1 | | 1 | 1 | | 8 1.1 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | 1 | | | 1 | | | | | 3 1.0 |
| Pigmentation | | | | | | | | | | 2 | | | | | | | | | | | | | | | 4 2.0 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Foreign Body | | | | | | | | | | | | | | | | | | | | | | X | | | 1 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cataract | | | | | 3 | | | | | | | | | | | | | | | | | | 1 | | 3 2.3 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

| FISCHER 344 RATS FEMALE
10 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|-------------------------------------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 04
93 | 07
26 | 07
33 | 07
33 | 07
30 | 07
36 | 06
57 | 05
73 | 05
73 | 05
55 | 05
55 | 06
61 | 06
60 | 07
67 | 07
73 | 07
73 | 07
73 | 05
54 | 07
33 | 06
61 | 07
33 | 07
33 | 07
33 | | |
| ANIMAL ID | 00
76 | 00
77 | 00
78 | 00
79 | 00
80 | 00
81 | 00
82 | 00
83 | 00
84 | 00
85 | 00
86 | 00
87 | 00
88 | 00
89 | 00
90 | 00
91 | 00
92 | 00
93 | 00
94 | 00
95 | 00
96 | 00
97 | 00
98 | 00
99 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|--|--|---|---|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|---|--|--|-------|-------|
| Inflammation, Acute | 3 | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | 2 | | | | | | | | | | | | 1 2.0 |
| Retina, Degeneration | | | | 4 | 2 | | | | | | | | | | | | | | | | | 3 | | | | 4 3.3 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Atrophy | | | | | | | | | | | | | | 2 | | | | | | | | | | | | 1 2.0 |
| Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.0 |
| Inflammation, Chronic | | | | | | | | | | | | | | 2 | | | | | | | | | | | | 1 2.0 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Inflammation, Chronic | | | | | 2 | | | | | | 2 | | | | | | | | | | | | 2 | 2 | | 6 2.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | 3 | | | | 1 3.0 |
| Nephropathy | 2 | 3 | 1 | 1 | 4 | 1 | | | 1 | 3 | 1 | | | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 1 | | 4 | 3 | | 41 2.0 |
| Renal Tubule, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Renal Tubule, Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Metaplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| FISCHER 344 RATS FEMALE
30 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 0583 | 0732 | 0733 | 0736 | 0737 | 0738 | 0746 | 0765 | 0773 | 0777 | 0778 | 0779 | 0782 | 0783 | 0786 | 0787 | 0791 | 0793 | 0796 | 0797 | | | 0800 | 0801 | 0803 | 0804 | 0805 | 0807 | 0808 | 0809 | 0810 | 0811 | 0812 | 0813 | 0814 | 0815 | 0816 | 0817 | 0818 | 0819 | 0820 | 0821 | 0822 | 0823 | 0824 | 0825 | 0826 | 0827 | 0828 | 0829 | 0830 | 0831 | 0832 | 0833 | 0834 | 0835 | 0836 | 0837 | 0838 | 0839 | 0840 | 0841 | 0842 | 0843 | 0844 | 0845 | 0846 | 0847 | 0848 | 0849 | 0850 | 0851 | 0852 | 0853 | 0854 | 0855 | 0856 | 0857 | 0858 | 0859 | 0860 | 0861 | 0862 | 0863 | 0864 | 0865 | 0866 | 0867 | 0868 | 0869 | 0870 | 0871 | 0872 | 0873 | 0874 | 0875 | 0876 | 0877 | 0878 | 0879 | 0880 | 0881 | 0882 | 0883 | 0884 | 0885 | 0886 | 0887 | 0888 | 0889 | 0890 | 0891 | 0892 | 0893 | 0894 | 0895 | 0896 | 0897 | 0898 | 0899 | 0900 | 0901 | 0902 | 0903 | 0904 | 0905 | 0906 | 0907 | 0908 | 0909 | 0910 | 0911 | 0912 | 0913 | 0914 | 0915 | 0916 | 0917 | 0918 | 0919 | 0920 | 0921 | 0922 | 0923 | 0924 | 0925 | 0926 | 0927 | 0928 | 0929 | 0930 | 0931 | 0932 | 0933 | 0934 | 0935 | 0936 | 0937 | 0938 | 0939 | 0940 | 0941 | 0942 | 0943 | 0944 | 0945 | 0946 | 0947 | 0948 | 0949 | 0950 | 0951 | 0952 | 0953 | 0954 | 0955 | 0956 | 0957 | 0958 | 0959 | 0960 | 0961 | 0962 | 0963 | 0964 | 0965 | 0966 | 0967 | 0968 | 0969 | 0970 | 0971 | 0972 | 0973 | 0974 | 0975 | 0976 | 0977 | 0978 | 0979 | 0980 | 0981 | 0982 | 0983 | 0984 | 0985 | 0986 | 0987 | 0988 | 0989 | 0990 | 0991 | 0992 | 0993 | 0994 | 0995 | 0996 | 0997 | 0998 | 0999 | 1000 | 1001 | 1002 | 1003 | 1004 | 1005 | 1006 | 1007 | 1008 | 1009 | 1010 | 1011 | 1012 | 1013 | 1014 | 1015 | 1016 | 1017 | 1018 | 1019 | 1020 | 1021 | 1022 | 1023 | 1024 | 1025 | 1026 | 1027 | 1028 | 1029 | 1030 | 1031 | 1032 | 1033 | 1034 | 1035 | 1036 | 1037 | 1038 | 1039 | 1040 | 1041 | 1042 | 1043 | 1044 | 1045 | 1046 | 1047 | 1048 | 1049 | 1050 | 1051 | 1052 | 1053 | 1054 | 1055 | 1056 | 1057 | 1058 | 1059 | 1060 | 1061 | 1062 | 1063 | 1064 | 1065 | 1066 | 1067 | 1068 | 1069 | 1070 | 1071 | 1072 | 1073 | 1074 | 1075 | 1076 | 1077 | 1078 | 1079 | 1080 | 1081 | 1082 | 1083 | 1084 | 1085 | 1086 | 1087 | 1088 | 1089 | 1090 | 1091 | 1092 | 1093 | 1094 | 1095 | 1096 | 1097 | 1098 | 1099 | 1100 | 1101 | 1102 | 1103 | 1104 | 1105 | 1106 | 1107 | 1108 | 1109 | 1110 | 1111 | 1112 | 1113 | 1114 | 1115 | 1116 | 1117 | 1118 | 1119 | 1120 | 1121 | 1122 | 1123 | 1124 | 1125 | 1126 | 1127 | 1128 | 1129 | 1130 | 1131 | 1132 | 1133 | 1134 | 1135 | 1136 | 1137 | 1138 | 1139 | 1140 | 1141 | 1142 | 1143 | 1144 | 1145 | 1146 | 1147 | 1148 | 1149 | 1150 | 1151 | 1152 | 1153 | 1154 | 1155 | 1156 | 1157 | 1158 | 1159 | 1160 | 1161 | 1162 | 1163 | 1164 | 1165 | 1166 | 1167 | 1168 | 1169 | 1170 | 1171 | 1172 | 1173 | 1174 | 1175 | 1176 | 1177 | 1178 | 1179 | 1180 | 1181 | 1182 | 1183 | 1184 | 1185 | 1186 | 1187 | 1188 | 1189 | 1190 | 1191 | 1192 | 1193 | 1194 | 1195 | 1196 | 1197 | 1198 | 1199 | 1200 | 1201 | 1202 | 1203 | 1204 | 1205 | 1206 | 1207 | 1208 | 1209 | 1210 | 1211 | 1212 | 1213 | 1214 | 1215 | 1216 | 1217 | 1218 | 1219 | 1220 | 1221 | 1222 | 1223 | 1224 | 1225 | 1226 | 1227 | 1228 | 1229 | 1230 | 1231 | 1232 | 1233 | 1234 | 1235 | 1236 | 1237 | 1238 | 1239 | 1240 | 1241 | 1242 | 1243 | 1244 | 1245 | 1246 | 1247 | 1248 | 1249 | 1250 | 1251 | 1252 | 1253 | 1254 | 1255 | 1256 | 1257 | 1258 | 1259 | 1260 | 1261 | 1262 | 1263 | 1264 | 1265 | 1266 | 1267 | 1268 | 1269 | 1270 | 1271 | 1272 | 1273 | 1274 | 1275 | 1276 | 1277 | 1278 | 1279 | 1280 | 1281 | 1282 | 1283 | 1284 | 1285 | 1286 | 1287 | 1288 | 1289 | 1290 | 1291 | 1292 | 1293 | 1294 | 1295 | 1296 | 1297 | 1298 | 1299 | 1300 | 1301 | 1302 | 1303 | 1304 | 1305 | 1306 | 1307 | 1308 | 1309 | 1310 | 1311 | 1312 | 1313 | 1314 | 1315 | 1316 | 1317 | 1318 | 1319 | 1320 | 1321 | 1322 | 1323 | 1324 | 1325 | 1326 | 1327 | 1328 | 1329 | 1330 | 1331 | 1332 | 1333 | 1334 | 1335 | 1336 | 1337 | 1338 | 1339 | 1340 | 1341 | 1342 | 1343 | 1344 | 1345 | 1346 | 1347 | 1348 | 1349 | 1350 | 1351 | 1352 | 1353 | 1354 | 1355 | 1356 | 1357 | 1358 | 1359 | 1360 | 1361 | 1362 | 1363 | 1364 | 1365 | 1366 | 1367 | 1368 | 1369 | 1370 | 1371 | 1372 | 1373 | 1374 | 1375 | 1376 | 1377 | 1378 | 1379 | 1380 | 1381 | 1382 | 1383 | 1384 | 1385 | 1386 | 1387 | 1388 | 1389 | 1390 | 1391 | 1392 | 1393 | 1394 | 1395 | 1396 | 1397 | 1398 | 1399 | 1400 | 1401 | 1402 | 1403 | 1404 | 1405 | 1406 | 1407 | 1408 | 1409 | 1410 | 1411 | 1412 | 1413 | 1414 | 1415 | 1416 | 1417 | 1418 | 1419 | 1420 | 1421 | 1422 | 1423 | 1424 | 1425 | 1426 | 1427 | 1428 | 1429 | 1430 | 1431 | 1432 | 1433 | 1434 | 1435 | 1436 | 1437 | 1438 | 1439 | 1440 | 1441 | 1442 | 1443 | 1444 | 1445 | 1446 | 1447 | 1448 | 1449 | 1450 | 1451 | 1452 | 1453 | 1454 | 1455 | 1456 | 1457 | 1458 | 1459 | 1460 | 1461 | 1462 | 1463 | 1464 | 1465 | 1466 | 1467 | 1468 | 1469 | 1470 | 1471 | 1472 | 1473 | 1474 | 1475 | 1476 | 1477 | 1478 | 1479 | 1480 | 1481 | 1482 | 1483 | 1484 | 1485 | 1486 | 1487 | 1488 | 1489 | 1490 | 1491 | 1492 | 1493 | 1494 | 1495 | 1496 | 1497 | 1498 | 1499 | 1500 | 1501 | 1502 | 1503 | 1504 | 1505 | 1506 | 1507 | 1508 | 1509 | 1510 | 1511 | 1512 | 1513 | 1514 | 1515 | 1516 | 1517 | 1518 | 1519 | 1520 | 1521 | 1522 | 1523 | 1524 | 1525 | 1526 | 1527 | 1528 | 1529 | 1530 | 1531 | 1532 | 1533 | 1534 | 1535 | 1536 | 1537 | 1538 | 1539 | 1540 | 1541 | 1542 | 1543 | 1544 | 1545 | 1546 | 1547 | 1548 | 1549 | 1550 | 1551 | 1552 | 1553 | 1554 | 1555 | 1556 | 1557 | 1558 | 1559 | 1560 | 1561 | 1562 | 1563 | 1564 | 1565 | 1566 | 1567 | 1568 | 1569 | 1570 | 1571 | 1572 | 1573 | 1574 | 1575 | 1576 | 1577 | 1578 | 1579 | 1580 | 1581 | 1582 | 1583 | 1584 | 1585 | 1586 | 1587 | 1588 | 1589 | 1590 | 1591 | 1592 | 1593 | 1594 | 1595 | 1596 | 1597 | 1598 | 1599 | 1600 | 1601 | 1602 | 1603 | 1604 | 1605 | 1606 | 1607 | 1608 | 1609 | 1610 | 1611 | 1612 | 1613 | 1614 | 1615 | 1616 | 1617 | 1618 | 1619 | 1620 | 1621 | 1622 | 1623 | 1624 | 1625 | 1626 | 1627 | 1628 | 1629 | 1630 | 1631 | 1632 | 1633 | 1634 | 1635 | 1636 | 1637 | 1638 | 1639 | 1640 | 1641 | 1642 | 1643 | 1644 | 1645 | 1646 | 1647 | 1648 | 1649 | 1650 | 1651 | 1652 | 1653 | 1654 | 1655 | 1656 | 1657 | 1658 | 1659 | 1660 | 1661 | 1662 | 1663 | 1664 | 1665 | 1666 | 1667 | 1668 | 1669 | 1670 | 1671 | 1672 | 1673 | 1674 | 1675 | 1676 | 1677 | 1678 | 1679 | 1680 | 1681 | 1682 | 1683 | 1684 | 1685 | 1686 | 1687 | 1688 | 1689 | 1690 | 1691 | 1692 | 1693 | 1694 | 1695 | 1696 | 1697 | 1698 | 1699 | 1700 | 1701 | 1702 | 1703 | 1704 | 1705 | 1706 | 1707 | 1708 | 1709 | 1710 | 1711 | 1712 | 1713 | 1714 | 1715 | 1716 | 1717 | 1718 | 1719 | 1720 | 1721 | 1722 | 1723 | 1724 | 1725 | 1726 | 1727 | 1728 | 1729 | 1730 | 1731 | 1732 | 1733 | 1734 | 1735 | 1736 | 1737 | 1738 | 1739 | 1740 | 1741 | 1742 | 1743 | 1744 | 1745 | 1746 | 1747 | 1748 | 1749 | 1750 | 1751 | 1752 | 1753 | 1754 | 1755 | 1756 | 1757 | 1758 | 1759 | 1760 | 1761 | 1762 | 1763 | 1764 | 1765 | 1766 | 1767 | 1768 | 1769 | 1770 | 1771 | 1772 | 1773 | 1774 | 1775 | 1776 | 1777 | 1778 | 1779 | 1780 | 1781 | 1782 | 1783 | 1784 | 1785 | 1786 | 1787 | 1788 | 1789 | 1790 | 1791 | 1792 | 1793 | 1794 | 1795 | 1796 | 1797 | 1798 | 1799 | 1800 | 1801 | 1802 | 1803 | 1804 | 1805 | 1806 | 1807 | 1808 | 1809 | 1810 | 1811 | 1812 | 1813 | 1814 | 1815 | 1816 | 1817 | 1818 | 1819 | 1820 | 1821 | 1822 | 1823 | 1824 | 1825 | 1826 | 1827 | 1828 | 1829 | 1830 | 1831 | 1832 | 1833 | 1834 | 1835 | 1836 | 1837 | 1838 | 1839 | 1840 | 1841 | 1842 | 1843 | 1844 | 1845 | 1846 | 1847 | 1848 | 1849 | 1850 | 1851 | 1852 | 1853 | 1854 | 1855 | 1856 | 1857 | 1858 | 1859 | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | 1870 | 1871 | 1872 | 1873 | 1874 | 1875 | 1876 | 1877 | 1878 | 1879 | 1880 | 1881 | 1882 | 1883 | 1884 | 1885 | 1886 | 1887 | 1888 | 1889 | 1890 | 1891 | 1892 | 1893 | 1894 | 1895 | 1896 | 1897 | 1898 | 1899 | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 | 2101 | 2102 | 2103 | 2104 | 2105 | 2106 | 2107 | 2108 | 2109 | 2110 | 2111 |

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| FISCHER 344 RATS FEMALE
30 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | 0583 | 0732 | 0733 | 0736 | 0737 | 0738 | 0746 | 0765 | 0773 | 0775 | 0776 | 0777 | 0778 | 0779 | 0781 | 0782 | 0783 | 0784 | 0785 | 0786 | 0787 | 0788 | 0789 | 0790 | 0791 | | | 0792 | 0793 | 0794 | 0795 | 0796 | 0797 | 0798 | 0799 | 0800 | 0801 | 0802 | 0803 | 0804 | 0805 | 0806 | 0807 | 0808 | 0809 | 0810 | 0811 | 0812 | 0813 | 0814 | 0815 | 0816 | 0817 | 0818 | 0819 | 0820 | 0821 | 0822 | 0823 | 0824 | 0825 | 0826 | 0827 | 0828 | 0829 | 0830 | 0831 | 0832 | 0833 | 0834 | 0835 | 0836 | 0837 | 0838 | 0839 | 0840 | 0841 | 0842 | 0843 | 0844 | 0845 | 0846 | 0847 | 0848 | 0849 | 0850 | 0851 | 0852 | 0853 | 0854 | 0855 | 0856 | 0857 | 0858 | 0859 | 0860 | 0861 | 0862 | 0863 | 0864 | 0865 | 0866 | 0867 | 0868 | 0869 | 0870 | 0871 | 0872 | 0873 | 0874 | 0875 | 0876 | 0877 | 0878 | 0879 | 0880 | 0881 | 0882 | 0883 | 0884 | 0885 | 0886 | 0887 | 0888 | 0889 | 0890 | 0891 | 0892 | 0893 | 0894 | 0895 | 0896 | 0897 | 0898 | 0899 | 0900 | 0901 | 0902 | 0903 | 0904 | 0905 | 0906 | 0907 | 0908 | 0909 | 0910 | 0911 | 0912 | 0913 | 0914 | 0915 | 0916 | 0917 | 0918 | 0919 | 0920 | 0921 | 0922 | 0923 | 0924 | 0925 | 0926 | 0927 | 0928 | 0929 | 0930 | 0931 | 0932 | 0933 | 0934 | 0935 | 0936 | 0937 | 0938 | 0939 | 0940 | 0941 | 0942 | 0943 | 0944 | 0945 | 0946 | 0947 | 0948 | 0949 | 0950 | 0951 | 0952 | 0953 | 0954 | 0955 | 0956 | 0957 | 0958 | 0959 | 0960 | 0961 | 0962 | 0963 | 0964 | 0965 | 0966 | 0967 | 0968 | 0969 | 0970 | 0971 | 0972 | 0973 | 0974 | 0975 | 0976 | 0977 | 0978 | 0979 | 0980 | 0981 | 0982 | 0983 | 0984 | 0985 | 0986 | 0987 | 0988 | 0989 | 0990 | 0991 | 0992 | 0993 | 0994 | 0995 | 0996 | 0997 | 0998 | 0999 | 1000 | 1001 | 1002 | 1003 | 1004 | 1005 | 1006 | 1007 | 1008 | 1009 | 1010 | 1011 | 1012 | 1013 | 1014 | 1015 | 1016 | 1017 | 1018 | 1019 | 1020 | 1021 | 1022 | 1023 | 1024 | 1025 | 1026 | 1027 | 1028 | 1029 | 1030 | 1031 | 1032 | 1033 | 1034 | 1035 | 1036 | 1037 | 1038 | 1039 | 1040 | 1041 | 1042 | 1043 | 1044 | 1045 | 1046 | 1047 | 1048 | 1049 | 1050 | 1051 | 1052 | 1053 | 1054 | 1055 | 1056 | 1057 | 1058 | 1059 | 1060 | 1061 | 1062 | 1063 | 1064 | 1065 | 1066 | 1067 | 1068 | 1069 | 1070 | 1071 | 1072 | 1073 | 1074 | 1075 | 1076 | 1077 | 1078 | 1079 | 1080 | 1081 | 1082 | 1083 | 1084 | 1085 | 1086 | 1087 | 1088 | 1089 | 1090 | 1091 | 1092 | 1093 | 1094 | 1095 | 1096 | 1097 | 1098 | 1099 | 1100 | 1101 | 1102 | 1103 | 1104 | 1105 | 1106 | 1107 | 1108 | 1109 | 1110 | 1111 | 1112 | 1113 | 1114 | 1115 | 1116 | 1117 | 1118 | 1119 | 1120 | 1121 | 1122 | 1123 | 1124 | 1125 | 1126 | 1127 | 1128 | 1129 | 1130 | 1131 | 1132 | 1133 | 1134 | 1135 | 1136 | 1137 | 1138 | 1139 | 1140 | 1141 | 1142 | 1143 | 1144 | 1145 | 1146 | 1147 | 1148 | 1149 | 1150 | 1151 | 1152 | 1153 | 1154 | 1155 | 1156 | 1157 | 1158 | 1159 | 1160 | 1161 | 1162 | 1163 | 1164 | 1165 | 1166 | 1167 | 1168 | 1169 | 1170 | 1171 | 1172 | 1173 | 1174 | 1175 | 1176 | 1177 | 1178 | 1179 | 1180 | 1181 | 1182 | 1183 | 1184 | 1185 | 1186 | 1187 | 1188 | 1189 | 1190 | 1191 | 1192 | 1193 | 1194 | 1195 | 1196 | 1197 | 1198 | 1199 | 1200 | 1201 | 1202 | 1203 | 1204 | 1205 | 1206 | 1207 | 1208 | 1209 | 1210 | 1211 | 1212 | 1213 | 1214 | 1215 | 1216 | 1217 | 1218 | 1219 | 1220 | 1221 | 1222 | 1223 | 1224 | 1225 | 1226 | 1227 | 1228 | 1229 | 1230 | 1231 | 1232 | 1233 | 1234 | 1235 | 1236 | 1237 | 1238 | 1239 | 1240 | 1241 | 1242 | 1243 | 1244 | 1245 | 1246 | 1247 | 1248 | 1249 | 1250 | 1251 | 1252 | 1253 | 1254 | 1255 | 1256 | 1257 | 1258 | 1259 | 1260 | 1261 | 1262 | 1263 | 1264 | 1265 | 1266 | 1267 | 1268 | 1269 | 1270 | 1271 | 1272 | 1273 | 1274 | 1275 | 1276 | 1277 | 1278 | 1279 | 1280 | 1281 | 1282 | 1283 | 1284 | 1285 | 1286 | 1287 | 1288 | 1289 | 1290 | 1291 | 1292 | 1293 | 1294 | 1295 | 1296 | 1297 | 1298 | 1299 | 1300 | 1301 | 1302 | 1303 | 1304 | 1305 | 1306 | 1307 | 1308 | 1309 | 1310 | 1311 | 1312 | 1313 | 1314 | 1315 | 1316 | 1317 | 1318 | 1319 | 1320 | 1321 | 1322 | 1323 | 1324 | 1325 | 1326 | 1327 | 1328 | 1329 | 1330 | 1331 | 1332 | 1333 | 1334 | 1335 | 1336 | 1337 | 1338 | 1339 | 1340 | 1341 | 1342 | 1343 | 1344 | 1345 | 1346 | 1347 | 1348 | 1349 | 1350 | 1351 | 1352 | 1353 | 1354 | 1355 | 1356 | 1357 | 1358 | 1359 | 1360 | 1361 | 1362 | 1363 | 1364 | 1365 | 1366 | 1367 | 1368 | 1369 | 1370 | 1371 | 1372 | 1373 | 1374 | 1375 | 1376 | 1377 | 1378 | 1379 | 1380 | 1381 | 1382 | 1383 | 1384 | 1385 | 1386 | 1387 | 1388 | 1389 | 1390 | 1391 | 1392 | 1393 | 1394 | 1395 | 1396 | 1397 | 1398 | 1399 | 1400 | 1401 | 1402 | 1403 | 1404 | 1405 | 1406 | 1407 | 1408 | 1409 | 1410 | 1411 | 1412 | 1413 | 1414 | 1415 | 1416 | 1417 | 1418 | 1419 | 1420 | 1421 | 1422 | 1423 | 1424 | 1425 | 1426 | 1427 | 1428 | 1429 | 1430 | 1431 | 1432 | 1433 | 1434 | 1435 | 1436 | 1437 | 1438 | 1439 | 1440 | 1441 | 1442 | 1443 | 1444 | 1445 | 1446 | 1447 | 1448 | 1449 | 1450 | 1451 | 1452 | 1453 | 1454 | 1455 | 1456 | 1457 | 1458 | 1459 | 1460 | 1461 | 1462 | 1463 | 1464 | 1465 | 1466 | 1467 | 1468 | 1469 | 1470 | 1471 | 1472 | 1473 | 1474 | 1475 | 1476 | 1477 | 1478 | 1479 | 1480 | 1481 | 1482 | 1483 | 1484 | 1485 | 1486 | 1487 | 1488 | 1489 | 1490 | 1491 | 1492 | 1493 | 1494 | 1495 | 1496 | 1497 | 1498 | 1499 | 1500 | 1501 | 1502 | 1503 | 1504 | 1505 | 1506 | 1507 | 1508 | 1509 | 1510 | 1511 | 1512 | 1513 | 1514 | 1515 | 1516 | 1517 | 1518 | 1519 | 1520 | 1521 | 1522 | 1523 | 1524 | 1525 | 1526 | 1527 | 1528 | 1529 | 1530 | 1531 | 1532 | 1533 | 1534 | 1535 | 1536 | 1537 | 1538 | 1539 | 1540 | 1541 | 1542 | 1543 | 1544 | 1545 | 1546 | 1547 | 1548 | 1549 | 1550 | 1551 | 1552 | 1553 | 1554 | 1555 | 1556 | 1557 | 1558 | 1559 | 1560 | 1561 | 1562 | 1563 | 1564 | 1565 | 1566 | 1567 | 1568 | 1569 | 1570 | 1571 | 1572 | 1573 | 1574 | 1575 | 1576 | 1577 | 1578 | 1579 | 1580 | 1581 | 1582 | 1583 | 1584 | 1585 | 1586 | 1587 | 1588 | 1589 | 1590 | 1591 | 1592 | 1593 | 1594 | 1595 | 1596 | 1597 | 1598 | 1599 | 1600 | 1601 | 1602 | 1603 | 1604 | 1605 | 1606 | 1607 | 1608 | 1609 | 1610 | 1611 | 1612 | 1613 | 1614 | 1615 | 1616 | 1617 | 1618 | 1619 | 1620 | 1621 | 1622 | 1623 | 1624 | 1625 | 1626 | 1627 | 1628 | 1629 | 1630 | 1631 | 1632 | 1633 | 1634 | 1635 | 1636 | 1637 | 1638 | 1639 | 1640 | 1641 | 1642 | 1643 | 1644 | 1645 | 1646 | 1647 | 1648 | 1649 | 1650 | 1651 | 1652 | 1653 | 1654 | 1655 | 1656 | 1657 | 1658 | 1659 | 1660 | 1661 | 1662 | 1663 | 1664 | 1665 | 1666 | 1667 | 1668 | 1669 | 1670 | 1671 | 1672 | 1673 | 1674 | 1675 | 1676 | 1677 | 1678 | 1679 | 1680 | 1681 | 1682 | 1683 | 1684 | 1685 | 1686 | 1687 | 1688 | 1689 | 1690 | 1691 | 1692 | 1693 | 1694 | 1695 | 1696 | 1697 | 1698 | 1699 | 1700 | 1701 | 1702 | 1703 | 1704 | 1705 | 1706 | 1707 | 1708 | 1709 | 1710 | 1711 | 1712 | 1713 | 1714 | 1715 | 1716 | 1717 | 1718 | 1719 | 1720 | 1721 | 1722 | 1723 | 1724 | 1725 | 1726 | 1727 | 1728 | 1729 | 1730 | 1731 | 1732 | 1733 | 1734 | 1735 | 1736 | 1737 | 1738 | 1739 | 1740 | 1741 | 1742 | 1743 | 1744 | 1745 | 1746 | 1747 | 1748 | 1749 | 1750 | 1751 | 1752 | 1753 | 1754 | 1755 | 1756 | 1757 | 1758 | 1759 | 1760 | 1761 | 1762 | 1763 | 1764 | 1765 | 1766 | 1767 | 1768 | 1769 | 1770 | 1771 | 1772 | 1773 | 1774 | 1775 | 1776 | 1777 | 1778 | 1779 | 1780 | 1781 | 1782 | 1783 | 1784 | 1785 | 1786 | 1787 | 1788 | 1789 | 1790 | 1791 | 1792 | 1793 | 1794 | 1795 | 1796 | 1797 | 1798 | 1799 | 1800 | 1801 | 1802 | 1803 | 1804 | 1805 | 1806 | 1807 | 1808 | 1809 | 1810 | 1811 | 1812 | 1813 | 1814 | 1815 | 1816 | 1817 | 1818 | 1819 | 1820 | 1821 | 1822 | 1823 | 1824 | 1825 | 1826 | 1827 | 1828 | 1829 | 1830 | 1831 | 1832 | 1833 | 1834 | 1835 | 1836 | 1837 | 1838 | 1839 | 1840 | 1841 | 1842 | 1843 | 1844 | 1845 | 1846 | 1847 | 1848 | 1849 | 1850 | 1851 | 1852 | 1853 | 1854 | 1855 | 1856 | 1857 | 1858 | 1859 | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | 1870 | 1871 | 1872 | 1873 | 1874 | 1875 | 1876 | 1877 | 1878 | 1879 | 1880 | 1881 | 1882 | 1883 | 1884 | 1885 | 1886 | 1887 | 1888 | 1889 | 1890 | 1891 | 1892 | 1893 | 1894 | 1895 | 1896 | 1897 | 1898 | 1899 | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 |

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

| FISCHER 344 RATS FEMALE
30 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | | |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|------------------|
| | 0
5
8
3 | 0
7
3
2 | 0
7
0
3 | 0
7
3
6 | 0
7
3
2 | 0
7
0
8 | 0
7
3
6 | 0
4
5
5 | 0
6
8
7 | 0
7
3
5 | 0
6
3
7 | 0
7
3
6 | 0
7
2
1 | 0
7
3
6 | 0
7
2
2 | 0
7
1
0 | 0
7
1
5 | 0
7
3
6 | 0
6
7
9 | 0
7
3
3 | 0
6
3
3 | 0
7
3
3 | 0
5
9
1 | 0
0
7
5 | | | 0
7
3
3 | 0
0
3
4 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Foreign Body | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Respiratory Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Respiratory Epithelium, Metaplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cataract | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Retina, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| DAY ON TEST | FISCHER 344 RATS FEMALE | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | |
|---|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------------|----------------------|
| | 0583 | 0732 | 0730 | 0736 | 0732 | 0738 | 0736 | 0735 | 0737 | 0733 | 0736 | 0731 | 0736 | 0732 | 0730 | 0735 | 0736 | 0739 | 0736 | 0732 | 0733 | 0731 | 0735 | 0733 | | | 0734 |
| 30 MG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 003000000000000000000000 | females
(cont...) |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 003333333333333333333333 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 003333333333333333333333 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 003333333333333333333333 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 12345678901111111112222222 | |
| Inflammation, Chronic | | | | 3 | | | | | | | | 2 | | | | | | | | | | | | | | | |
| Nephropathy | 1 | 1 | | 3 | 1 | 4 | 2 | | 3 | 1 | 2 | 1 | 3 | 3 | 3 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | | 2 | | | |
| Renal Tubule, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | |
| Renal Tubule, Pigmentation | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| Transitional Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |

* .. 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. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| FISCHER 344 RATS FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|-------------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|----|----|
| | 06 | 07 | 07 | 07 | 07 | 06 | 07 | 07 | 07 | 07 | 07 | 07 | 05 | 05 | 06 | 07 | 07 | 07 | 05 | 07 | | 07 | 04 | 07 |
| 30 MG/KG | 14 | 33 | 08 | 36 | 32 | 07 | 36 | 33 | 04 | 22 | 22 | 64 | 74 | 55 | 05 | 22 | 63 | 33 | 22 | 22 | 83 | 33 | 53 | |
| ANIMAL ID | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | |
| | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | |
| | 22 | 22 | 22 | 22 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | |
| | 67 | 78 | 89 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Edema | 2 | | 2 | | | | | | | | | | | | | | | | | | | | | 3 2.0 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | 49 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Angiectasis | | | | | | | | | | | | | | | | | | | 2 | | | | | 1 2.0 |
| Basophilic Focus | | X | X | X | X | | X | X | X | X | X | X | | | X | X | X | X | | | X | X | X | 38 |
| Clear Cell Focus | | | | X | | | | | | | | | | | | | | X | | | X | | | 4 |
| Cyst | | | | | | | | | | | | | | | | | | | X | | | | | 1 |
| Eosinophilic Focus | | X | | | | X | | | | X | | | | | | | | X | | | X | | | 9 |
| Hematopoietic Cell Proliferation | 2 | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Hemorrhage | | | | | | | | | | | | | | | | | | | 3 | | | | | 1 3.0 |
| Hepatodiaphragmatic Nodule | | | X | | | X | | | X | | | | | | | | | | | | | | | 6 |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | 2 | | | | 2 | | 1 | | | | 9 2.0 |
| Mixed Cell Focus | | | | | | X | X | | X | | | | | X | X | | X | | | | | X | | 9 |
| Necrosis, Focal | | | 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

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

| FISCHER 344 RATS FEMALE
30 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|---------------------------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|----|--------|
| | 06 | 07 | 07 | 07 | 07 | 06 | 07 | 07 | 07 | 07 | 07 | 07 | 05 | 05 | 06 | 07 | 07 | 07 | 07 | 05 | | 07 | 07 | 04 |
| | 1 | 3 | 0 | 3 | 3 | 2 | 3 | 3 | 0 | 3 | 3 | 3 | 5 | 5 | 0 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 5 | 3 |
| | 4 | 3 | 8 | 6 | 2 | 7 | 6 | 3 | 4 | 2 | 2 | 6 | 4 | 7 | 5 | 2 | 6 | 3 | 2 | 2 | 7 | 3 | 3 | 6 |
| | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |
| | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| | 22 | 22 | 22 | 22 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 55 |
| | 67 | 78 | | | 01 | 02 | | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
| Bile Duct, Hyperplasia | | | | | | | | | | 2 | | 2 | | | | | | | | | | | | |
| Centrilobular, Necrosis | 4 | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocyte, Hyperplasia, Focal | | | | | | | | | | | 3 | | | | | | | | | | | | | |
| Hepatocyte, Vacuolization Cytoplasmic | | | | | | | | | | 3 | | | | | 2 | | | | | | | | | |
| Mesentery | + | | + | | + | | | + | + | + | + | + | | | | | | + | | + | + | + | + | 23 |
| Accessory Spleen | | | | | | | | | | | X | X | | | | | | | | | | X | | 4 |
| Fat, Necrosis | 2 | | 3 | | 3 | | | 2 | 3 | | 4 | 4 | | | | | | 4 | | 3 | | 4 | 1 | 21 2.9 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Atrophy | | | | 2 | 2 | | | 1 | | | 1 | 1 | | | | | 1 | | | 1 | | 1 | | 13 1.3 |
| Cyst | X | | | X | | | | X | X | | | X | X | | | | | | | | | X | | 15 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Acinus, Cytoplasmic Alteration | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Atrophy | | | | | | | | | | | 1 | | | | | | | | | | | | | 2 1.0 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Edema | | | | | | | | | | | | | | | | | | | | | | | | 2 3.0 |
| Inflammation, Chronic Active | | | | | | | | | | 3 | | | | | | | | | | | | | | 2 2.5 |
| Ulcer | 3 | | | | | | | | | | 3 | | | | | | | | | | | | | 3 3.0 |
| Epithelium, Hyperplasia | | | | | | | | | | 3 | 3 | | | | | 4 | | | | | | | | 5 3.2 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Erosion | 1 | | | | | | | | | 2 | | | | | | | | | | | | | | 3 1.7 |
| Ulcer | 1 | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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

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 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

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

Tooth 1

CARDIOVASCULAR SYSTEM

Blood Vessel 2

Heart 50
 Cardiomyopathy 35 1.7

ENDOCRINE SYSTEM

Adrenal Cortex 50
 Accessory Adrenal Cortical Nodule 16
 Angiectasis 1 3.0
 Degeneration, Fatty 25 2.3
 Hyperplasia, Focal 8 2.1
 Hypertrophy, Focal 10 1.9
 Necrosis 1 2.0

Adrenal Medulla 47

Islets, Pancreatic 50

Parathyroid Gland 49

Pituitary Gland 50
 Pigmentation 2 2.0
 Pars Distalis, Angiectasis 9 2.9
 Pars Distalis, Cyst 20
 Pars Distalis, Hyperplasia, Focal 11 2.1
 Pars Intermedia, Angiectasis 2 2.5

* .. 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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 Lab: SRI

| FISCHER 344 RATS FEMALE
30 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|-------------------------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|
| | 06 | 07 | 07 | 07 | 07 | 06 | 07 | 07 | 07 | 07 | 07 | 07 | 05 | 05 | 06 | 07 | 07 | 07 | 07 | 05 | 07 | 07 | 04 | 07 | |
| ANIMAL ID | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | |
| | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | |
| | 22 | 22 | 22 | 22 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 55 | |
| | 66 | 77 | 77 | 77 | 88 | 99 | 00 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | 88 | 99 | 00 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | |

Pars Intermedia, Cyst X 1
 Pars Intermedia, Hyperplasia, Focal 1 2.0

Thyroid Gland + 49
 Ultimobranchial Cyst 3 3.0
 C-cell, Hyperplasia 2 3 3 1 5 2.0

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland + 50
 Cyst X 1
 Hyperplasia 2 1.5
 Inflammation, Chronic 3 3 3 4 5 3.2

Ovary + + + + + + + + + + + + + + + + + M + + + + + 48
 Cyst X X 2

Uterus + + + + + + + + + + + + + + + + + M + + + + + 49
 Hyperplasia, Cystic 1 3 2 1 9 2.0

Vagina + + + + + + + + + + 7

HEMATOPOIETIC SYSTEM

Bone Marrow + 50
 Hyperplasia 3 3 4 3.3
 Myelofibrosis 1 1 1.0

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

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| DAY ON TEST | FISCHER 344 RATS FEMALE | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|------------------------------------|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|--------|--------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | |
| 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 5 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 4 | 7 | | |
| 1 | 3 | 0 | 3 | 3 | 2 | 3 | 3 | 0 | 3 | 3 | 5 | 5 | 0 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 5 | 3 | | |
| 4 | 3 | 8 | 6 | 2 | 7 | 6 | 3 | 4 | 2 | 2 | 4 | 7 | 5 | 2 | 6 | 3 | 2 | 2 | 7 | 3 | 3 | 6 | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 0 | 0 | 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 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | | |
| 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| Lymph Node | + | + | | | | | | + | + | | | | | + | | | + | | | | | + | 14 | |
| Mediastinal, Ectasia | | | | | | | | | | | | | | | | | 2 | | | | | 3 | 2 2.5 | |
| Mediastinal, Hemorrhage | 4 | | | | | | | | | | | | | | | 2 | 1 | | | | | | 7 2.4 | |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | 2 | 3 | | | | | | 3 2.3 | |
| Mediastinal, Pigmentation | 3 | | | | | | | | | | | | | | | | 3 | | | | | | 6 2.3 | |
| Pancreatic, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Pancreatic, Pigmentation | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Lymph Node, Mandibular | M | M | M | M | M | M | M | M | M | + | M | M | + | M | M | M | M | M | M | M | M | M | 3 | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Ectasia | | | | | | | | | | | | | | | | | | | | | | | 2 1.5 | |
| Hemorrhage | 3 | 1 | | | | | | | | | | 1 | | 1 | | | | | | | | | 9 1.4 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | 2 | | 2 | | 2 | | | 2 | 2 | | | 13 2.1 | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | 2 3.0 | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Congestion | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Hematopoietic Cell Proliferation | 4 | 2 | | | 2 | 2 | | 2 | | 2 | | | | 2 | | 1 | 2 | 1 | 1 | | 3 | 2 | 2 | 29 2.0 |
| Infiltration Cellular, Mixed Cell | | | | | | | 4 | | | | | | | | | | | | | | | | 1 4.0 | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Pigmentation | | | 3 | | | | 3 | | | | | | | 3 | | 3 | | | | | | | 10 3.0 | |
| Thymus | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | I | + | + | + | + | + | + | 47 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Cyst | | | | | | | | | | | | | | | | | | | X | X | | | 2 | |

INTEGUMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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|-------------|-------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|----|----|
| | 06 | 07 | 07 | 07 | 07 | 06 | 07 | 07 | 07 | 07 | 07 | 07 | 05 | 05 | 06 | 07 | 07 | 07 | 07 | 05 | | 07 | 07 | 04 |
| ANIMAL ID | 01 | 03 | 00 | 03 | 03 | 02 | 03 | 03 | 00 | 03 | 03 | 03 | 05 | 05 | 00 | 03 | 03 | 03 | 03 | 08 | 03 | 03 | 05 | 03 |
| 30 MG/KG | 04 | 03 | 08 | 06 | 02 | 07 | 06 | 03 | 04 | 02 | 02 | 06 | 04 | 07 | 05 | 02 | 06 | 03 | 02 | 02 | 07 | 03 | 03 | 06 |
| | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |
| | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |
| | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 |
| | 02 | 02 | 02 | 02 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 04 | 04 | 04 | 04 | 04 | 04 | 04 | 04 | 04 | 05 |
| | 06 | 07 | 08 | 09 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia | 3 | 2 | 3 | 3 | 4 | 2 | 2 | 3 | 3 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 47 2.6 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | 3 3.0 |
| Ulcer | | | | | | | | | | | | | | 3 | | | 3 | | | | | | | 3 3.0 |
| Control Epidermis, Hyperplasia | | | | | | | | | | | | | | | | | | | 1 | | | 1 | | 3 1.0 |
| Epidermis, Hyperplasia | | | | | | | | | | | | | 4 | | | 3 | 3 | | | | | | | 6 3.3 |
| Epidermis, Site Of Application, Hyperplasia | | | | | | | | | | | | | | | 1 | | | 1 | | | | | | 5 1.0 |
| Site Of Application, Hyperkeratosis | | | 1 | 1 | | | | 1 | | 1 | | 1 | 1 | | 1 | | 1 | 1 | | | | 1 | | 20 1.0 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Femur, Osteopetrosis | | | 3 | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | + | 1 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Compression | 3 | 4 | | | | 2 | | | 4 | | | | | | | | | 2 | 2 | | 3 | | | 15 2.9 |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | 2 2.5 |
| Necrosis | 2 | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Peripheral Nerve | | | | | | | | | + | | | | | | | | | | | | | | | 2 |
| Spinal Cord | | | | | | | | | + | | | | | | | | | | | | | | | 2 |

RESPIRATORY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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|--|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|----|--------|----|
| | 06 | 07 | 07 | 07 | 07 | 06 | 07 | 07 | 07 | 07 | 07 | 07 | 05 | 05 | 06 | 07 | 07 | 07 | 07 | 05 | | 07 | 07 | 04 | 07 |
| ANIMAL ID | 01 | 03 | 00 | 03 | 03 | 02 | 03 | 03 | 00 | 03 | 03 | 03 | 05 | 05 | 00 | 03 | 03 | 03 | 03 | 03 | 08 | 03 | 03 | 05 | 03 |
| | 4 | 3 | 8 | 6 | 2 | 7 | 6 | 3 | 4 | 2 | 2 | 6 | 4 | 7 | 5 | 2 | 6 | 3 | 2 | 2 | 7 | 3 | 3 | 3 | 6 |
| | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |
| | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | |
| | 22 | 22 | 22 | 22 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 55 | |
| | 67 | 78 | | | 01 | 22 | 33 | 44 | 55 | 66 | 77 | 88 | 99 | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hemorrhage | 2 | | | | | 2 | | | | | | | | | | | | | | | | | | 3 1.7 | |
| Infiltration Cellular, Histiocyte | 2 | | 3 | | | 2 | 1 | 1 | | 2 | | 1 | | | 1 | 2 | 1 | 1 | 2 | | | 1 | | 19 1.4 | |
| Inflammation, Chronic | | | | | | | 1 | 1 | | | | | | | 3 | | | | | 1 | | 1 | | 12 1.3 | |
| Pigmentation | | 2 | | | | | 1 | | 1 | | | | | | | | | | | | | | | 8 1.5 | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | 2 | | 2 | 2 | | 2 | | | 6 2.3 | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Foreign Body | | | | | | X | | | | | | | | | | | | | X | | | | | 5 | |
| Inflammation, Chronic | | | | | | 4 | | | | | | | | | 3 | | | | 1 | | | | | 4 2.5 | |
| Respiratory Epithelium, Hyperplasia | | | | | | 3 | | | | | | | | | 3 | | | | 1 | | | | | 3 2.3 | |
| Respiratory Epithelium, Metaplasia, Squamous | | | | | | 3 | | | | | | | | | 3 | | | | | | | | | 2 3.0 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cataract | | | | | | | | | | | | 3 | | | | | | | 3 | | | | | 3 2.7 | |
| Retina, Degeneration | | | | | | | | | | | 4 | | 1 | | | | | | 3 | | | | | 4 2.5 | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cyst | | | | X | | | | | | | | | | | | | | | | | | | | 2 | |
| Infarct | | | | | | | | | | | | | | | | 1 | 3 | | | | | | | 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
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| FISCHER 344 RATS FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | |
|-------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|------|
| | 0729 | 0593 | 0773 | 0773 | 0561 | 0672 | 0771 | 0474 | 0772 | 0472 | 0666 | 0766 | 0473 | 0749 | 0733 | 0700 | 0501 | 0773 | 0673 | 0763 | | | 0773 |
| 90 MG/KG | 0035 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0035 | 0033 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum
Edema | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum
Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | 2 | | | | | | | | | | | | | | | | | | | | | |
| Basophilic Focus | X | X | X | X | X | | X | X | | X | X | X | | X | | | | X | X | | X | X | X |
| Clear Cell Focus | | | | | | | | | | X | | | | | | | | X | | | X | X | |
| Cyst | | | | | | | | | | | | | | | | | | | | X | | | |
| Eosinophilic Focus | | | X | | | | | X | | | | | | | | | | | X | | | | |
| Hepatodiaphragmatic Nodule | X | | | | | | | X | X | | | | | | | X | X | | | | | | X |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | 1 | | | | | 1 | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | | | X | | | | | X | | | | X | | | | | | | | | | X | |
| Necrosis, Focal | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Bile Duct, Hyperplasia | | | | | | | 1 | | | | | | | | | | | | | | 3 | | |

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

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| FISCHER 344 RATS FEMALE
90 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|-------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|
| | 0729 | 0533 | 0736 | 0736 | 0537 | 0631 | 0722 | 0719 | 0476 | 0770 | 0748 | 0772 | 0663 | 0667 | 0733 | 0493 | 0700 | 0001 | 0707 | 0733 | 0633 | 0636 | 0729 | 0733 | 0627 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | |
| Pars Intermedia, Cyst | X | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ultimobranchial Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C-cell, Hyperplasia | | | | | | | | | | 1 | 1 | | | | 1 | | | | | | | | | 1 | | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 3 | | | | | 2 | 2 | | | | | | | | | | | |

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

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| FISCHER 344 RATS FEMALE
90 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------|----------------------|----------------|
| | 07
29
93 | 05
93
36 | 07
73
66 | 07
53
73 | 06
61
33 | 07
72
93 | 07
71
66 | 04
72
90 | 07
71
69 | 07
74
82 | 06
67
73 | 06
66
77 | 07
73
66 | 04
73
63 | 07
73
63 | 07
70
61 | 05
01
72 | 07
73
63 | 06
63
69 | 07
76
73 | | | 07
77
73 |
| Hemorrhage | | | | | | 1 | | 3 | | | | | | | | | | | | | 1 | 1 | |
| Infiltration Cellular, Histiocyte | 1 | | | 1 | 1 | | | 3 | 1 | | | 1 | 4 | 1 | | | | | | | 1 | 1 | |
| Inflammation, Chronic | 1 | | 1 | | | 1 | | | | | | | | | | | | | 1 | | 1 | 1 | |
| Metaplasia, Osseous | | | | | | | | 1 | | | | | | | | | | | | | | | |
| Pigmentation | | | | | | 1 | | | | | | | | | | 2 | | | | | 1 | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Bronchiole, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | |
| Serosa, Hyperplasia | | | | | | | | | | | | | | | | | | | 1 | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Foreign Body | | | | | | | | | | | | | X | | | | | | | | | | |
| Inflammation, Chronic | 1 | 1 | | | | | | 1 | | | | | | 1 | | | | | 1 | | | 1 | |
| Olfactory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | | | | | | | | | | |
| Respiratory Epithelium, Hyperplasia | 1 | 1 | | | | | | | | | | | | | | | | | | | | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cataract | | 3 | | | | | | | | | | | | | | | | | | | | | |
| Retina, Degeneration | | 4 | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | 2 | | | | | | | | | | | | | | | | | | | | |

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

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| FISCHER 344 RATS FEMALE
90 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |
|-------------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|
| | 0736 | 0736 | 0736 | 0724 | 0733 | 0757 | 0743 | 0766 | 0777 | 0777 | 0777 | 0753 | 0736 | 0771 | 0766 | 0766 | 0773 | 0767 | 0773 | 0773 | | 0773 | 0773 | | |
| ANIMAL ID | 00376 | 00377 | 00378 | 00379 | 00380 | 00381 | 00382 | 00383 | 00384 | 00385 | 00386 | 00387 | 00388 | 00389 | 00390 | 00391 | 00392 | 00393 | 00394 | 00395 | 00396 | 00397 | 00398 | 00399 | 00400 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 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 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------------|
| Esophagus | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Large, Cecum
Edema | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
1 3.0 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | 49 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | 49 |
| Intestine Small, Duodenum
Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 49
2 2.5 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | M | + | + | 46 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | 46 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Basophilic Focus | X | X | X | | X | X | | X | X | X | X | X | | | | X | X | | | X | X | X | X | | | 34 |
| Clear Cell Focus | | | | | | | | | | X | | | | | | | | | | | | X | | | | 6 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Eosinophilic Focus | | | X | | | | | | | | | | X | | | | | | X | | | | | | | 6 |
| Hepatodiaphragmatic Nodule | | | | | X | | | | | X | | | | | | | X | | | | | | | | | 9 |
| Infiltration Cellular, Mixed Cell | | | | | | | | | | | 1 | | | | | | | 2 | | | | | 2 | 2 | | 6 1.5 |
| Mineralization | | | | | | | | | | | | | | 3 | | | | | | | | | | | | 1 3.0 |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | X | | | | 5 |
| Necrosis, Focal | | | | | | | | | | | | | | | | | | 1 | | | | | | | | 2 1.5 |
| Bile Duct, Hyperplasia | | | | | | | | | | 1 | | 1 | 1 | | 3 | | | | | | | | | | | 6 1.7 |

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
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| FISCHER 344 RATS FEMALE
90 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS |
|---------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | |
| ANIMAL ID | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 |
| Centrilobular, Necrosis | | | | 3 | | | | 4 | | | | | | | 2 | | | | | | |
| Hepatocyte, Hyperplasia, Focal | | | | | | | | | | | | | | | | | | | | | |
| Hepatocyte, Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | 3 | 2 | | | | |
| Kupffer Cell, Hyperplasia | | | | | | | | | | | | | | 2 | | | | | | | |
| Mesentery | | + | + | | | | | | | + | + | + | | | + | + | + | + | + | + | + |
| Accessory Spleen | | | | | | | | | | X | | | | | | | X | | | | |
| Fat, Necrosis | | 4 | | | | | | | | | 2 | 3 | | | 3 | 3 | 4 | 3 | 3 | 3 | 3 |
| Pancreas | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + |
| Atrophy | | | | 1 | | | | 3 | 1 | 1 | 3 | 2 | | | | 1 | | 1 | 1 | 1 | |
| Cyst | | X | X | X | X | | X | X | X | | X | X | X | | X | X | X | | X | X | |
| Acinus, Cytoplasmic Alteration | | | | | | | | | | | | | | | 3 | | | | | | |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | 2 | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Edema | | | | | | | | | | | | | | | | | | | 4 | | |
| Perforation | | | | | | | | | | | | | | | | X | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | 4 | | |
| Epithelium, Hyperplasia | | | | | | 3 | | | | | 2 | | | | 3 | | | | 2 | | |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Edema | | | | | | | | | | | | | | | | | | | 3 | | |
| Erosion | | | | | 3 | | | 3 | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | | | 1 | | | | | | | |
| Tongue | | | | | + | | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | 1 | | | | | | | | | | | | | | | | |

* .. 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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TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

| FISCHER 344 RATS FEMALE
90 MG/KG | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|-------------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|--------|
| | 0736 | 0736 | 0774 | 0774 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | 0776 | | 0776 |
| ANIMAL ID | 00376 | 00377 | 00378 | 00379 | 00380 | 00381 | 00382 | 00383 | 00384 | 00385 | 00386 | 00387 | 00388 | 00389 | 00390 | 00391 | 00392 | 00393 | 00394 | 00395 | 00396 | |
| Pars Intermedia, Cyst | | | | | | | | | | X | X | | | | | | | | | | | 4 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Ultimobranchial Cyst | | | | | | | | | | | | | | | | 3 | | | | | | 1 3.0 |
| C-cell, Hyperplasia | | | | 2 | 2 | | 1 | 1 | | 1 | | | | | | 2 | | | | | | 10 1.3 |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Cyst | | | | | | | | | | X | | | | | | | | | | | | 3 |
| Hyperplasia | | | | | | 2 | | 2 | | | | | | | | | | | | | | 3 2.0 |
| Inflammation, Chronic | | | | | | | | | | | | | 3 | | | | | | | | | 5 2.8 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Cyst | | | | X | | | | | | X | | | | | | | | | | | X | 5 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia, Cystic | | | | 3 | | | | | | | | | | | | | | | | | 2 | 4 2.5 |
| Vagina | | | | + | | | | + | | | | + | | | | + | | | | | | 10 |
| Cyst | | | | | | | | X | | | | | | | | | | | | | | 1 |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia | | | | 2 | | | | 3 | | | | | | | 3 | | | | | | | 6 2.5 |

* .. 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. 95003 - 05
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| DAY ON TEST | FISCHER 344 RATS FEMALE | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|-------------|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | | 0736 |
| ANIMAL ID | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 | 0076 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|--------|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia | 2 | 4 | 3 | 3 | 2 | 2 | 4 | 3 | 2 | 3 | 4 | | | 4 | 3 | 3 | 1 | 2 | 3 | 4 | 2 | 2 | 3 | 46 2.7 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Ulcer | | 3 | | | | | | | | | | | | | | | | | | | | 4 | 4 3.3 | |
| Control, Hyperkeratosis | | | | | | 1 | | | | | | | | | | | | | | | | | 3 1.0 | |
| Control Epidermis, Hyperplasia | 1 | | | | | | | | | | | | | | 1 | | | | | | | 1 | 5 1.0 | |
| Epidermis, Hyperplasia | | 3 | | | | | | | | | | | | | | | | | | | | 4 | 4 3.5 | |
| Epidermis, Site Of Application, Hyperplasia | 1 | | 1 | 1 | 1 | 1 | | | 1 | 2 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 39 1.2 |
| Site Of Application, Hyperkeratosis | 4 | 1 | 4 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | | 1 | 2 | 4 | | 2 | 2 | | 2 | 3 | 2 | 2 | 47 2.3 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Fibrous Osteodystrophy | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Compression | | 2 | 2 | 2 | | 3 | | | 1 | | | | | 2 | 3 | | | 4 | 3 | | 3 | | 17 2.7 |
| Hemorrhage | | | | | | | | | | | | | | | 3 | | | | | | | | 2 3.0 |
| Necrosis | | | | | | | | | 1 | | | | | | | | | | | | | | 2 2.0 |
| Peripheral Nerve | + | | | | | | | | | | | | | | | | | | | | | + | 3 |
| Spinal Cord | + | | | | | | | | | | | | | | | | | | | | | + | 3 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Foreign Body | | 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
 1-4 .. Lesion qualified as:
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|---|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------|--------|
| | 07
36 | 07
36 | 07
36 | 07
36 | 07
36 | 07
36 | 07
36 | 07
36 | 07
36 | 07
36 | 07
36 | 07
36 | 07
36 | 07
36 | 07
36 | 07
36 | 07
36 | 07
36 | 07
36 | 07
36 | | | |
| ANIMAL ID | 0076 | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | | |
| Hemorrhage | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | 7 1.3 | |
| Infiltration Cellular, Histiocyte | 1 | | | | 1 | 2 | | | 2 | 1 | 1 | 1 | | | 1 | 1 | 1 | 2 | | | 1 | 1 | 22 1.4 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | 1 | | 7 1.0 |
| Metaplasia, Osseous | | | | | | | | 1 | | | 1 | | | | | | | | | | | | 3 1.0 |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | 2 | | 4 1.5 |
| Alveolar Epithelium, Hyperplasia | 1 | | | | | | | | 3 | | | | | | | | | | | | 1 | | 4 1.5 |
| Bronchiole, Hyperplasia | | | 2 | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Serosa, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Foreign Body | | | | | X | | | | | | | | | | | | | | | X | | | 3 |
| Inflammation, Chronic | | | | | 1 | | | | 1 | | | | | | | | | | | 1 | | | 9 1.0 |
| Olfactory Epithelium, Metaplasia, Respiratory | | | | | 2 | | | | | | | | | | | | | | | 1 | | | 2 1.5 |
| Respiratory Epithelium, Hyperplasia | | | | | 2 | | | | | | | | | | | | | | | 1 | | | 4 1.3 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | 49 |
| Cataract | 3 | | | | | | | | | | | | | | | | | | | | 3 | | 3 3.0 |
| Retina, Degeneration | 4 | | | | | 2 | | | | | | | | | | | | | | | 4 | | 4 3.5 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Inflammation, Chronic | | | | | | 3 | | | | | | | | | | | | | | | | | 1 3.0 |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Cyst | | | | | | | | | X | | | | | | | | | | | | | | 1 |
| Inflammation, Chronic | | | | | | | | | 2 | | | | | | | | | | | | 2 | | 3 2.0 |

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|---|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|---|---|---|-----------------|
| | 0736 | 0736 | 0736 | 0724 | 0733 | 0757 | 0763 | 0767 | 0772 | 0773 | 0773 | 0775 | 0780 | 0783 | 0786 | 0787 | 0789 | 0793 | 0793 | 0796 | | 0796 | | | | |
| 90 MG/KG | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 00376 | 00377 | 00378 | 00379 | 00380 | 00381 | 00382 | 00383 | 00384 | 00385 | 00386 | 00387 | 00388 | 00389 | 00390 | 00391 | 00392 | 00393 | 00394 | 00395 | 00396 | | | | | |
| Nephropathy | 2 | 2 | 3 | 1 | 1 | | 1 | 3 | 3 | 2 | 1 | 1 | | | 2 | 4 | 3 | | 1 | 3 | 3 | 2 | 2 | 3 | 1 | 40 2.0 |
| Renal Tubule, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | 3 | | | | | | | | | | | 2 2.5 |
| Renal Tubule, Dilatation | | | | 2 | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Renal Tubule, Hyperplasia | | | | | | | | | | | 1 | | | | | | | | | | | | | | | 1 1.0 |
| Renal Tubule, Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.5 |
| Urinary Bladder Hemorrhage | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 1 3.0 |

*** END OF REPORT ***

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