F1_R2

C Number:	C99024C
Lock Date:	06/29/2006
Cage Range:	ALL
Date Range:	ALL
Reasons For Removal:	ALL
Removal Date Range:	ALL
Treatment Groups:	Include ALL
Study Gender:	Both
TDMSE Version:	2.0.0

DAY ON TEST	072	054	072	061	064	055	068	072	072	073	073	073	072	055	065	072	069	071	073	054	068	073	068	073	072	
FISCHER 344 RATS MALE ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	
0 MG/KG																										**males (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body																										
Inflammation, Suppurative																										
Intestine Large, Cecum	+	+	+	+	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	A	+	+	+	A	+	+	+	A	A	+	+	+	+	+	A	+	+	+	+	+	
Edema															4											
Fibrosis																										
Intestine Large, Rectum	+	+	+	+	A	+	+	+	A	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	A	A	+	+	+	+	+	+	+	A	A	+	+	+	+	+	A	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	A	A	+	+	+	A	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Basophilic Focus	X		X							X	X								X	X	X	X		X		
Clear Cell Focus	X		X					X		X	X	X				X						X		X		
Degeneration, Cystic	1							1					3				1									
Eosinophilic Focus								X																	X	
Hepatodiaphragmatic Nodule									3					2												
Infiltration Cellular, Mixed Cell	1		1							1	1					1						1				

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

DAY ON TEST	0729	0540	0729	0612	0641	0554	0687	0729	0729	0730	0730	0730	0724	0552	0651	0729	0699	0712	0731	0547	0689	0731	0688	0731	0729	
FISCHER 344 RATS MALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	
0 MG/KG																										**males (cont...)**
Inflammation, Chronic																										
Mixed Cell Focus																					X					
Necrosis, Focal				2	3																		2			
Tension Lipidosis																										
Bile Duct, Hyperplasia	1	2	1	2	2		2	2	2	1	1	2	3	1	3	1	1	2	1	2	2	2	3	1		
Hepatocyte, Hyperplasia																										
Hepatocyte, Vacuolization Cytoplasmic					3	2	3	1	1	1			3		2	2	2	2	1	1		1				
Kupffer Cell, Pigmentation																										
Mesentery		+				+		+			+	+	+						+			+	+			
Accessory Spleen		2																								
Inflammation, Suppurative												2														
Inflammation, Granulomatous																						2				
Fat, Necrosis						3		1			2		3						2			2	3			
Oral Mucosa												+							+							
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	2		2				4	2			1			1	2								2		1	
Cyst	2	3							3		1															
Acinus, Cytoplasmic Alteration				3																						
Acinus, Hyperplasia, Focal								2																		
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema															4											
Erosion													2													
Ulcer					3		2								2											

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FISCHER 344 RATS MALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	
0 MG/KG																										**males (cont...)**
Epithelium, Hyperplasia															2											
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion				2					2				2		2											
Ulcer							2											3								
Epithelium, Cyst																										
Epithelium, Hyperplasia																										
Tongue										+																
CARDIOVASCULAR SYSTEM																										
Blood Vessel								+																+		
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	2	2	1	2	3	2	2	2	2	2	2	2	2		2	2	2	2	1	2	2	3	2	2	3	
Thrombosis					4		2						3													
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule																										
Degeneration, Fatty	3	2		3			2					2			1			2			2			2	2	
Hyperplasia, Focal			1										1											1	2	
Hypertrophy, Focal																					1			1		
Necrosis																										

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FISCHER 344 RATS MALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
0 MG/KG																									**males (cont...)**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia													2		2								2		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia														1									2		
Parathyroid Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Angiectasis															3										
Pars Distalis, Cyst				2						1															
Pars Distalis, Hyperplasia, Focal		2		2				1		1									2		2	3			
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ultimobranchial Cyst						2																			
C-cell, Hyperplasia	1		2			1	1	1		1	2				1	2			2		1	1	2		1

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																		3							
Degeneration																									
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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FISCHER 344 RATS MALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	
0 MG/KG																										**males (cont...)**
Cyst					3																					
Hyperplasia																										
Inflammation, Chronic	2	2	2	2	3	2	1	1	2	2	1	1	1		2	2	1	2	1	1	2	1	2	1	1	
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic	1		1									1	1				2	3		2				2		
Epithelium, Hyperplasia																	2			2	1					
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Thrombosis					4																					
Germinal Epithelium, Atrophy			2		4				3			4			3			3								
Interstitial Cell, Hyperplasia														2												

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia							3														3				2	
Myelofibrosis																										
Lymph Node	+	+				+		+	+	+		+	+	+	+			+				+		+		
Mediastinal, Ectasia						3																				
Mediastinal, Fibrosis																										
Mediastinal, Hyperplasia, Histiocytic																										
Mediastinal, Hyperplasia, Lymphoid																										
Pancreatic, Atrophy																										
Pancreatic, Ectasia	3														3											

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FISCHER 344 RATS MALE

0 MG/KG

males (cont...)

DAY ON TEST	0729	0540	0729	0612	0641	0554	0687	0729	0729	0730	0730	0730	0724	0552	0651	0729	0699	0712	0731	0547	0689	0731	0688	0731	0729
ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
Pancreatic, Hemorrhage													3												
Pancreatic, Hyperplasia, Histiocytic								2		3		2										2		2	
Pancreatic, Hyperplasia, Lymphoid																		3							
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																									
Ectasia																					2				
Fibrosis																									
Hyperplasia, Histiocytic	1		2			1		1		1	1	2				2	2	2	1			1		2	1
Hyperplasia, Lymphoid													2												
Infiltration Cellular, Eosinophil																									
Infiltration Cellular, Plasma Cell																									
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis							3						3										3		
Hematopoietic Cell Proliferation																									
Hemorrhage									3				3												
Hyperplasia, Histiocytic																						2			
Hyperplasia, Lymphoid																						3			
Necrosis																									
Pigmentation					3												2		2	1				2	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid																									

INTEGUMENTARY SYSTEM

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FISCHER 344 RATS MALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
0 MG/KG																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+
Cyst	2					3						1										3			
Hyperplasia	2		3	2	2	1	2		1		1	1	1	1	2	1	1	3		1		1	1		1
Inflammation, Granulomatous						2																			
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst Epithelial Inclusion															X										X
Hyperkeratosis										2	3														3
Epidermis, Hyperplasia	2																								
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cranium, Osteopetrosis		3																							
Skeletal Muscle						+																+	+		
Fibrosis																						2	2		
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Compression	2		2		3		2													3				2	
Gliosis																									
Hemorrhage									3						3										
Peripheral Nerve						+																			

males (cont...)

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FISCHER 344 RATS MALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	
0 MG/KG																										**males (cont...)**
Spinal Cord						+																				
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																										
Infiltration Cellular, Histiocyte			1	3							1										2			1	3	
Alveolar Epithelium, Hyperplasia				2		2	3	2													2					
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body									2	2							2									
Inflammation, Suppurative																	2									
Inflammation, Chronic		2							2	2																
Respiratory Epithelium, Hyperplasia									2			3				3	2	2								
Sinus, Inflammation, Suppurative																2										
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cataract																										
Ciliary Body, Hyperplasia																										
Retina, Degeneration																										
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Necrosis																										

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FISCHER 344 RATS MALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	**males (cont...)**
0 MG/KG																										
URINARY SYSTEM																										
Kidney	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infarct													1					4								
Nephropathy	2		2			1		2	2	1	1	2		1	2	1	2	2	1	1	1	2	1	2	3	
Renal Tubule, Accumulation, Hyaline Droplet																										
Renal Tubule, Necrosis																										
Renal Tubule, Pigmentation							2												1				2			
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

DAY ON TEST	0729	0547	0558	0689	0701	0592	0456	0730	0731	0387	0686	0619	0731	0659	0730	0604	0589	0526	0688	0701	0730	0730	0730	0730	0464	
FISCHER 344 RATS MALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**
0 MG/KG																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body		2																								**1 2.0**
Inflammation, Suppurative		3																								**1 3.0**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**47**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**44**
Edema																				3						**2 3.5**
Fibrosis																				2						**1 2.0**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**46**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**44**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**44**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Basophilic Focus	X						X	X					X		X						X	X			X	**17**
Clear Cell Focus	X							X							X							X				**13**
Degeneration, Cystic	2			1									2									2	1	2		**10 1.6**
Eosinophilic Focus								X																		**3**
Hepatodiaphragmatic Nodule							X		2					2			X				2					**7 2.2**
Infiltration Cellular, Mixed Cell							1	1							1										1	**10 1.0**

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FISCHER 344 RATS MALE

0 MG/KG

DAY ON TEST	0729	0547	0558	0689	0701	0592	0456	0730	0731	0387	0686	0619	0731	0659	0730	0604	0589	0526	0688	0701	0730	0730	0730	0730	0464	
ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	* TOTALS
Inflammation, Chronic							1																			1 1.0
Mixed Cell Focus																										1
Necrosis, Focal															1											4 2.0
Tension Lipidosis	2																									1 2.0
Bile Duct, Hyperplasia	1		2	2	2	3		1	2		2	2	1	2	1	2	2	2	2	3	1		2	2	1	44 1.8
Hepatocyte, Hyperplasia																		3								1 3.0
Hepatocyte, Vacuolization Cytoplasmic	1			1	3	2				1	1	3		3		3		2							1	25 1.8
Kupffer Cell, Pigmentation																					1					1 1.0
Mesentery	+		+			+		+		+		+				+	+						+			18
Accessory Spleen								2								2	X									4 2.0
Inflammation, Suppurative																										1 2.0
Inflammation, Granulomatous																										1 2.0
Fat, Necrosis			2			2		2		2		2											2			13 2.2
Oral Mucosa																										2
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Atrophy	1	1	2						2	2	2			2					3							17 1.9
Cyst																							3			5 2.4
Acinus, Cytoplasmic Alteration		2									3	2														4 2.5
Acinus, Hyperplasia, Focal																										1 2.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Edema		2										3								3						4 3.0
Erosion																										1 2.0
Ulcer												2						2		4						6 2.5

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DAY ON TEST	0729	0547	0558	0689	0701	0592	0456	0730	0731	0387	0686	0619	0731	0659	0730	0604	0589	0526	0688	0701	0730	0730	0730	0730	0464	
FISCHER 344 RATS MALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**
0 MG/KG																										
Epithelium, Hyperplasia		2	2			3						3														**5 2.4**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Erosion																	2	2								**6 2.0**
Ulcer																										**2 2.5**
Epithelium, Cyst													2													**1 2.0**
Epithelium, Hyperplasia								1																		**1 1.0**
Tongue																										**1**
CARDIOVASCULAR SYSTEM																										
Blood Vessel																										**2**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	2		2	2	2	2	2	2	2	1	3	2	2	2	2	2	2	2	2		2	2	2	2	2	**47 2.0**
Thrombosis					3							2							2							**6 2.7**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accessory Adrenal Cortical Nodule										1																**1 1.0**
Degeneration, Fatty		3	1		3	3		1				3		2	1	1	1				1	2				**22 2.0**
Hyperplasia, Focal																						2				**5 1.4**
Hypertrophy, Focal															1											**3 1.0**
Necrosis																		3								**1 3.0**

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FISCHER 344 RATS MALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**
0 MG/KG																										
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia									2			2														**5 2.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia					2			2						2												**5 1.8**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pars Distalis, Angiectasis																										**1 3.0**
Pars Distalis, Cyst																										**2 1.5**
Pars Distalis, Hyperplasia, Focal						1	2	1	2						2		1									**13 1.7**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ultimobranchial Cyst																										**1 2.0**
C-cell, Hyperplasia	1	1	1		2	2		1	1				2	1	1	2	1	1		2	2	1	1	2		**32 1.4**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy																										**1 3.0**
Degeneration																			3							**1 3.0**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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FISCHER 344 RATS MALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**
0 MG/KG																										
Cyst					3								3				3									**4 3.0**
Hyperplasia												2														**1 2.0**
Inflammation, Chronic	2	3	2	2	2	1	1		2	1	1	3		2	1	2	2	2	2	3	2	1	2	2	2	**47 1.7**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic		1	3		2	3			2		4	3	1		1	3	2	1		2	2		1	3	2	**25 2.0**
Epithelium, Hyperplasia		2	2	2	2	2								2												**9 1.9**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Thrombosis																										**1 4.0**
Germinal Epithelium, Atrophy								3						2				4								**9 3.1**
Interstitial Cell, Hyperplasia					1					1							2									**4 1.5**

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																		3								**4 2.8**
Myelofibrosis																			4							**1 4.0**
Lymph Node					+	+		+	+		+	+		+			+		+	+			+	+		**25**
Mediastinal, Ectasia																										**1 3.0**
Mediastinal, Fibrosis						3																				**1 3.0**
Mediastinal, Hyperplasia, Histiocytic												2														**1 2.0**
Mediastinal, Hyperplasia, Lymphoid											2			2			3									**3 2.3**
Pancreatic, Atrophy																			4							**1 4.0**
Pancreatic, Ectasia														3												**3 3.0**

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FISCHER 344 RATS MALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**
0 MG/KG																										
Pancreatic, Hemorrhage																										**1 3.0**
Pancreatic, Hyperplasia, Histiocytic								2				3														**7 2.3**
Pancreatic, Hyperplasia, Lymphoid																										**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	M	M	M	M	M	**1**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy																			3							**1 3.0**
Ectasia				3										3												**3 2.7**
Fibrosis																			3							**1 3.0**
Hyperplasia, Histiocytic	1					1	1	1	2				2		2	2		1			2		1			**25 1.4**
Hyperplasia, Lymphoid																										**1 2.0**
Infiltration Cellular, Eosinophil																2										**1 2.0**
Infiltration Cellular, Plasma Cell																3										**1 3.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Fibrosis						3														3			2			**6 2.8**
Hematopoietic Cell Proliferation				2												2										**2 2.0**
Hemorrhage																										**2 3.0**
Hyperplasia, Histiocytic																										**1 2.0**
Hyperplasia, Lymphoid																										**1 3.0**
Necrosis		3												4												**2 3.5**
Pigmentation			3	2			2	2			2		2				2									**12 2.1**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia, Lymphoid																	3		2							**2 2.5**

INTEGUMENTARY SYSTEM

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FISCHER 344 RATS MALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**
0 MG/KG																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Cyst					2																3	3	3			**8 2.5**
Hyperplasia		2	2		3	1	1	2	1	1		2		2	2	1		2		3	3	1	2	3	1	**38 1.7**
Inflammation, Granulomatous																										**1 2.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst Epithelial Inclusion													X													**3**
Hyperkeratosis						3																2				**5 2.6**
Epidermis, Hyperplasia						3																2				**3 2.3**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cranium, Osteopetrosis																										**1 3.0**
Skeletal Muscle								+		+						+				+					+	**8**
Fibrosis								2																		**3 2.0**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Compression			3		3						2					3				2	2	2				**13 2.4**
Gliosis														2												**1 2.0**
Hemorrhage																	2									**3 2.7**
Peripheral Nerve				+						+									+	+					+	**6**

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FISCHER 344 RATS MALE ANIMAL ID **0 MG/KG**	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**
Spinal Cord				+						+									+	+					+	**6**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage											2															**1 2.0**
Infiltration Cellular, Histiocyte	1		1		1		1	1			4		1	1		1	1		3							**17 1.6**
Alveolar Epithelium, Hyperplasia																			3							**6 2.3**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body				2													1									**5 1.8**
Inflammation, Suppurative		2		2																						**3 2.0**
Inflammation, Chronic																								3		**4 2.3**
Respiratory Epithelium, Hyperplasia		2		3																				2		**8 2.4**
Sinus, Inflammation, Suppurative																										**1 2.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Cataract																			4							**1 4.0**
Ciliary Body, Hyperplasia												2														**1 2.0**
Retina, Degeneration																				2						**1 2.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Necrosis																				2						**1 2.0**

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FISCHER 344 RATS MALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**
0 MG/KG																										
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Infarct		2																								**3 2.3**
Nephropathy	2		1	1	3	1	1	1	3		1	2	2	2	2	1	1	1	1	3		2	1	2	1	**42 1.6**
Renal Tubule, Accumulation, Hyaline Droplet																3										**1 3.0**
Renal Tubule, Necrosis														3												**1 3.0**
Renal Tubule, Pigmentation												3		4												**5 2.4**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	072	072	022	073	073	073	072	072	064	062	073	073	073	073	073	070	072	072	073	073	064	072	072	072	071	
FISCHER 344 RATS MALE ANIMAL ID	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	
10 MG/KG	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	**males (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																										
Intestine Large, Rectum	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																										
Basophilic Focus	X	X		X	X	X	X	X			X	X	X	X	X		X		X	X			X	X		
Clear Cell Focus	X	X		X		X	X				X			X	X		X		X	X		X	X		
Degeneration, Cystic																									2	
Eosinophilic Focus							X					X		X	X			X								
Hematopoietic Cell Proliferation																										
Hepatodiaphragmatic Nodule																	2		2		X					
Infiltration Cellular, Mixed Cell														1												
Mixed Cell Focus					X										X											

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DAY ON TEST	072	072	022	073	073	073	072	072	064	062	073	073	073	073	073	070	072	072	073	073	064	072	072	072	071	
FISCHER 344 RATS MALE ANIMAL ID	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	
10 MG/KG	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	**males (cont...)**
Bile Duct, Hyperplasia	1	1		1	1	1	2	2	3	2	2	2	1	1	2		1	2	2	2	3	2	1	2	3	
Hepatocyte, Vacuolization Cytoplasmic				2		1			3		1	1				4									1	
Mesentery	+			+					+	+	+														+	
Accessory Spleen																										
Hemorrhage									2																	
Fat, Necrosis	2			2						3	3														2	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	2			1		2	2		2		2	3		2			2	2	3	2		1	1			
Cyst														2				2								
Acinus, Cytoplasmic Alteration																										
Acinus, Hyperplasia, Focal						3	2	2																		
Arteriole, Inflammation, Chronic														2												
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																4					3					
Inflammation, Chronic Active																										
Ulcer																3					3					
Epithelium, Hyperplasia																										
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion																										
Ulcer																									3	

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	072	072	022	073	073	073	072	072	064	062	073	073	073	073	073	070	072	072	073	073	064	072	072	072	071	
FISCHER 344 RATS MALE ANIMAL ID	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	
10 MG/KG	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	**males (cont...)**
Blood Vessel																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	2	2	2	2	2	2	2	2	2	3	2	2	2	1	2	1	2	2	2	2	2	2	2	2		
Thrombosis																									3	

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule		2																2				2				
Degeneration, Fatty	2	2		1	2				3		2			2		3		2		1	2		1	2	3	
Hyperplasia, Focal		2																								
Hypertrophy, Focal		1		1																						
Bilateral, Necrosis																										
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia	2				2				2														2	2		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia				2																						
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Angiectasis																										
Pars Distalis, Cyst																						2				

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DAY ON TEST	072	072	022	073	073	073	072	072	064	062	073	073	073	073	073	070	072	072	073	073	064	072	072	072	071	
FISCHER 344 RATS MALE ANIMAL ID	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	
10 MG/KG	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	**males (cont...)**
Pars Distalis, Hyperplasia, Focal						2	2					1				1								2	2	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ultimobranchial Cyst																										
C-cell, Hyperplasia	1	1			1		1		1		1	1	1	1	1		1	1	1	3	1			1	2	
Follicle, Cyst																										
Follicular Cell, Hyperplasia																										

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Coagulating Gland									+																	
Inflammation, Suppurative									3																	
Epithelium, Hyperplasia									3																	
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Penis																										
Inflammation, Chronic																										
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										
Hyperplasia				2																						
Inflammation, Chronic	1	1		3	1	2	1	1	2	1	1	1	1	2	2	2	1	1	1	2		2	1	2	1	

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DAY ON TEST	072	072	022	073	073	073	072	072	064	062	073	073	073	073	073	070	072	072	073	073	064	072	072	072	071
FISCHER 344 RATS MALE ANIMAL ID	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10 MG/KG	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
males (cont...)																									
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic	3	2					2		4		2		2		1			2	2			2			1
Epithelium, Hyperplasia		2							3	2			1								2	1			2
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Germinal Epithelium, Atrophy									3				3										3		
Interstitial Cell, Hyperplasia																									

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia								3																	
Myelofibrosis																					3				
Lymph Node								+	+	+						+			+		+				+
Mediastinal, Angiectasis																									
Mediastinal, Hemorrhage																			2						
Mediastinal, Hyperplasia, Lymphoid									3										3						
Pancreatic, Ectasia																									
Pancreatic, Necrosis																									3
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ectasia											2	2		2											
Hyperplasia, Histiocytic															2		1		1					1	

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DAY ON TEST	072	072	022	073	073	073	072	072	064	062	073	073	073	073	073	070	072	072	073	073	064	072	072	072	071
FISCHER 344 RATS MALE ANIMAL ID	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10 MG/KG	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
males (cont...)																									
Hyperplasia, Lymphoid				2					2																
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Spleen																									
Fibrosis				2																					
Necrosis									4																
Pigmentation			2											2											
Lymphoid Follicle, Hyperplasia																									
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage																									

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst	3																								
Hyperplasia	2		1		2		1		1		1	2	3	3	2	2	1	1	1		1		1	1	2
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst Epithelial Inclusion																									
Fibrosis					3									3											
Hyperkeratosis														3	3										
Epidermis, Hyperplasia				2																					

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	072	072	022	073	073	073	072	072	064	062	073	073	073	073	073	070	072	072	073	073	064	072	072	072	071	
FISCHER 344 RATS MALE ANIMAL ID	005	005	005	005	005	005	005	005	005	006	006	006	006	006	006	006	006	006	006	007	007	007	007	007	007	**males (cont...)**
10 MG/KG	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	
Skeletal Muscle																										
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression	3												2					2								
Peripheral Nerve																										
Spinal Cord																										
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																										
Infiltration Cellular, Histiocyte	1			1		1	1					1		1			1	1	1	2			1			
Inflammation, Granulomatous																										
Metaplasia, Osseous																										
Alveolar Epithelium, Hyperplasia	2				2										3											
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body								2		3	2							1								
Inflammation, Suppurative	3				3					2																
Inflammation, Chronic																		2								
Respiratory Epithelium, Hyperplasia								2		3								2	2							

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DAY ON TEST	072	072	022	073	073	073	072	072	064	062	073	073	073	073	073	070	072	072	073	073	064	072	072	072	071
FISCHER 344 RATS MALE ANIMAL ID	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10 MG/KG	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
males (cont...)																									
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SPECIAL SENSES SYSTEM																									
Eye	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Retina, Degeneration																									
Sclera, Metaplasia, Osseous																					2				1
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infarct																					2				
Nephropathy	3	2		2	1	2	2	2	3	2	2	2	3	4	2	2	3	2	2	2	2	2	1	1	2
Renal Tubule, Accumulation, Hyaline Droplet																									
Renal Tubule, Necrosis																									3
Renal Tubule, Pigmentation									3																
Urethra																									+
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Calculus Micro Observation Only									2																
Inflammation, Chronic									3																
Transitional Epithelium, Hyperplasia									3															2	

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DAY ON TEST	0708	0730	0731	0731	0731	0639	0729	0729	0621	0652	0730	0677	0708	0729	0729	0540	0568	0705	0729	0551	0730	0730	0730	0729	0672		
FISCHER 344 RATS MALE 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	0100	*** TOTALS**	
10 MG/KG																											
ALIMENTARY SYSTEM																											
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	+	+	+	A	**46**	
Intestine Large, Colon	+	+	+	+	+	A	+	+	+	+	+	A	+	+	+	A	A	+	+	+	+	+	+	+	A	**43**	
Edema																		3									**1 3.0**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	A	**46**	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	+	+	+	+	+	+	+	+	**47**	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	A	A	+	+	+	+	+	+	+	+	**46**	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	A	A	+	+	+	+	+	+	+	A	**44**	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Angiectasis				2																							**1 2.0**
Basophilic Focus		X	X	X	X			X	X	X						X			X		X	X			X		**29**
Clear Cell Focus		X	X	X	X	X									X						X	X					**21**
Degeneration, Cystic								2															2				**3 2.0**
Eosinophilic Focus					X			X							X				X		X						**10**
Hematopoietic Cell Proliferation																							2				**1 2.0**
Hepatodiaphragmatic Nodule	2																	2	X	X				2			**8 2.0**
Infiltration Cellular, Mixed Cell			2						1																		**3 1.3**
Mixed Cell Focus																											**2**

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FISCHER 344 RATS MALE

10 MG/KG

DAY ON TEST	0708	0730	0731	0731	0731	0639	0729	0729	0621	0652	0730	0677	0708	0729	0729	0540	0568	0705	0729	0551	0730	0730	0730	0729	0672		
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	0100	* TOTALS	
Bile Duct, Hyperplasia	1	1	2	2	2	1	3	1	2		2		2	3	2		2		1	2	1	2	2	2	2	**44**	**1.8**
Hepatocyte, Vacuolization Cytoplasmic						2	1			2		2	3			2		3		2		1	2		2	**18**	**1.9**
Mesentery			+							+			+	+				+					+	+		**13**	
Accessory Spleen																								3		**1**	**3.0**
Hemorrhage																										**1**	**2.0**
Fat, Necrosis			2										2	2				2					3			**10**	**2.3**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Atrophy		2		2	1	2	4	1	2	2	3				2		2		1		2	1	2	3		**30**	**2.0**
Cyst											1															**3**	**1.7**
Acinus, Cytoplasmic Alteration												3				2									3	**3**	**2.7**
Acinus, Hyperplasia, Focal																										**3**	**2.3**
Arteriole, Inflammation, Chronic																										**1**	**2.0**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Edema						3				3	3		3					3								**7**	**3.1**
Inflammation, Chronic Active	2																									**1**	**2.0**
Ulcer						3				3	3	3						3								**7**	**3.0**
Epithelium, Hyperplasia	2						1			3	3	3	2													**6**	**2.3**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Erosion									1				2													**2**	**1.5**
Ulcer																										**1**	**3.0**

CARDIOVASCULAR SYSTEM

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FISCHER 344 RATS MALE 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	0100	*** TOTALS**
10 MG/KG																										
Blood Vessel												+										+		+		**3**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	2	1	2	2	2	3	2	2	2	2	2	3		2	2	2	2	2	2	2	2	2	3	2		**47 2.0**
Thrombosis							3																4			**3 3.3**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accessory Adrenal Cortical Nodule																										**3 2.0**
Degeneration, Fatty		1		2		1			2	2	2	2		2	2			2			2		2	2		**27 1.9**
Hyperplasia, Focal					2				2						1											**4 1.8**
Hypertrophy, Focal																					1					**3 1.0**
Bilateral, Necrosis							3																			**1 3.0**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia															2				2		2					**8 2.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia						2			2								2									**4 2.0**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																				3						**1 3.0**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pars Distalis, Angiectasis																								2		**1 2.0**
Pars Distalis, Cyst																	3							2		**3 2.3**

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

DAY ON TEST	0708	0730	0731	0731	0731	0639	0729	0729	0621	0652	0730	0677	0708	0729	0729	0540	0568	0705	0729	0551	0730	0730	0730	0729	0672	
FISCHER 344 RATS MALE ANIMAL ID **10 MG/KG**	0076	0077	0078	0079	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	0090	0091	0092	0093	0094	0095	0096	0097	0098	0099	0100	*** TOTALS**
Pars Distalis, Hyperplasia, Focal				1			2							3	2				2		3	1		2	2	**15 1.9**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ultimobranchial Cyst														2												**1 2.0**
C-cell, Hyperplasia	2	1	1	1	1		1	2	1	1	2		1		1			1	1			2	1			**33 1.2**
Follicle, Cyst																3										**1 3.0**
Follicular Cell, Hyperplasia									1							2										**2 1.5**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Coagulating Gland												+						+								**3**
Inflammation, Suppurative																										**1 3.0**
Epithelium, Hyperplasia																										**1 3.0**
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Penis							+																			**1**
Inflammation, Chronic							2																			**1 2.0**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst	2																		3							**2 2.5**
Hyperplasia																										**1 2.0**
Inflammation, Chronic	2	2	2	2	1	2	2	2	1	2	2	2	3	2	2	1	1	2	1	2	1	2	3	3	1	**48 1.6**

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DAY ON TEST	0708	0730	0731	0731	0731	0639	0729	0729	0621	0652	0730	0677	0708	0729	0729	0540	0568	0705	0729	0551	0730	0730	0730	0729	0672	
FISCHER 344 RATS MALE ANIMAL ID	0007	0007	0007	0007	0008	0008	0008	0008	0008	0008	0008	0008	0008	0008	0009	0009	0009	0009	0009	0009	0009	0009	0009	0009	0010	
10 MG/KG	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	*** TOTALS**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic		2				3	2		2	2	4			2			2	3		2	1	2	1			**24 2.1**
Epithelium, Hyperplasia	2				2	2				2				2	2		2	2	2	2	1					**18 1.9**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Germinal Epithelium, Atrophy								2		3	3							3	2							**8 2.8**
Interstitial Cell, Hyperplasia																		2			2					**2 2.0**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																1			3						3	**4 2.5**
Myelofibrosis																							4			**2 3.5**
Lymph Node					+		+	+		+		+	+	+				+			+		+	+		**18**
Mediastinal, Angiectasis								2																		**1 2.0**
Mediastinal, Hemorrhage																										**1 2.0**
Mediastinal, Hyperplasia, Lymphoid										3																**3 3.0**
Pancreatic, Ectasia																					3					**1 3.0**
Pancreatic, Necrosis																										**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	M	M	M	M	M	**0**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ectasia	3																					3				**5 2.4**
Hyperplasia, Histiocytic	1			1				1	1	2	1					1				1		2				**13 1.2**

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DAY ON TEST	0708	0730	0731	0731	0731	0639	0729	0729	0621	0652	0730	0677	0708	0729	0729	0540	0568	0705	0729	0551	0730	0730	0730	0729	0672	
FISCHER 344 RATS MALE 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	0100	*** TOTALS**
10 MG/KG																										
Hyperplasia, Lymphoid																										**2 2.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accessory Spleen																		2								**1 2.0**
Fibrosis																										**1 2.0**
Necrosis																										**1 4.0**
Pigmentation	3		2			2			2	2						2	2			2	2	2				**12 2.1**
Lymphoid Follicle, Hyperplasia			2																2		2					**3 2.0**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage							2																			**1 2.0**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst						2			2	2																**4 2.3**
Hyperplasia	2			2	1	3	1	1	2	3	2	2	2	1			1	2		2		2	1	2	1	**37 1.6**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst Epithelial Inclusion																			X							**1**
Fibrosis																										**2 3.0**
Hyperkeratosis																							3			**3 3.0**
Epidermis, Hyperplasia																										**1 2.0**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	0708	0730	0731	0731	0731	0639	0729	0729	0621	0652	0730	0677	0708	0729	0729	0540	0568	0705	0729	0551	0730	0730	0730	0729	0672		
FISCHER 344 RATS MALE 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	0100	*** TOTALS**	
10 MG/KG																											
Skeletal Muscle																								+		**1**	
NERVOUS SYSTEM																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Compression	2					3			3	3										3							**8 2.6**
Peripheral Nerve									+																	**1**	
Spinal Cord									+																	**1**	
RESPIRATORY SYSTEM																											
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hemorrhage																								2			**1 2.0**
Infiltration Cellular, Histiocyte	1	2	2														1			1	1						**17 1.2**
Inflammation, Granulomatous										2																	**1 2.0**
Metaplasia, Osseous																			1								**1 1.0**
Alveolar Epithelium, Hyperplasia		2	2			2		2																			**7 2.1**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Foreign Body			2							2	2	2	2	1				1			1	1					**13 1.7**
Inflammation, Suppurative					2																						**4 2.5**
Inflammation, Chronic											2		2														**3 2.0**
Respiratory Epithelium, Hyperplasia				3	2					2	2	2	2	2													**11 2.2**

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DAY ON TEST	0708	0730	0731	0731	0731	0639	0729	0729	0621	0652	0730	0677	0708	0729	0729	0540	0568	0705	0729	0551	0730	0730	0730	0729	0672	
FISCHER 344 RATS MALE ANIMAL ID **10 MG/KG**	0076	0077	0078	0079	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	0090	0091	0092	0093	0094	0095	0096	0097	0098	0099	0100	*** TOTALS**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	**46**
Retina, Degeneration														2												**1 2.0**
Sclera, Metaplasia, Osseous	1																									**3 1.3**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infarct																										**1 2.0**
Nephropathy	4	2	1	2	2	3	2	1	2	1	2	1	1	3	2	1		2	2	2	2	2	2	4	1	**48 2.0**
Renal Tubule, Accumulation, Hyaline Droplet																								3		**1 3.0**
Renal Tubule, Necrosis																										**1 3.0**
Renal Tubule, Pigmentation										1																**2 2.0**
Urethra																										**1**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Calculus Micro Observation Only																										**1 2.0**
Inflammation, Chronic																										**1 3.0**
Transitional Epithelium, Hyperplasia																										**2 2.5**

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DAY ON TEST	0442	0674	0729	0674	0674	0521	0730	0701	0730	0730	0730	0730	0730	0712	0730	0731	0558	0731	0593	0387	0731	0729	0694	0712	0731	
FISCHER 344 RATS MALE ANIMAL ID	0001	0010	0010	0010	0010	0010	0010	0010	0010	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0012	0012	0012	0012	0012	0012	
20 MG/KG	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	**males (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Edema		3																								
Intestine Large, Colon	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Edema		3		3										3												
Intestine Large, Rectum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Hemorrhage		3																								
Intestine Small, Duodenum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage		1																								
Intestine Small, Ileum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Intestine Small, Jejunum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Hemorrhage		3																								
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Basophilic Focus							X		X	X			X		X			X	X		X				X	
Clear Cell Focus							X			X	X	X	X		X	X		X			X				X	
Degeneration, Cystic													1		2	2		1			1	2				
Eosinophilic Focus			X							X										X		X				
Hemorrhage		4																								

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DAY ON TEST	0442	0674	0729	0674	0674	0521	0730	0701	0730	0730	0730	0730	0730	0712	0730	0731	0558	0731	0593	0387	0731	0729	0694	0712	0731	
FISCHER 344 RATS MALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	
20 MG/KG																										**males (cont...)**
Hepatodiaphragmatic Nodule						X			3		2										2					
Infiltration Cellular, Mixed Cell							1					1			1				1						1	
Mixed Cell Focus																		X								
Necrosis, Focal		2																								
Thrombosis		4																								
Bile Duct, Hyperplasia		3	2	3		1	1	2	2	1	2	1		3	1	1		1	1		1		3	2	2	
Hepatocyte, Hyperplasia									2																	
Hepatocyte, Vacuolization Cytoplasmic					3	1		2				1		3									2			
Mesentery			+			+																		+	+	
Fat, Necrosis			2			2																			3	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy			1		2		2		2		3	2		2					1							
Cyst																								2		
Acinus, Cytoplasmic Alteration								3																		
Acinus, Hyperplasia, Focal																										
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema					3																					
Hemorrhage		2																								
Ulcer					3																					
Epithelium, Hyperplasia																										
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion																										
Ulcer																							3			

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DAY ON TEST	0442	0674	0729	0674	0674	0521	0730	0701	0730	0730	0730	0730	0730	0712	0730	0731	0558	0731	0593	0387	0731	0729	0694	0712	0731	
FISCHER 344 RATS MALE ANIMAL ID	0010	0010	0010	0010	0010	0010	0010	0010	0010	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0012	0012	0012	0012	0012	0012	
20 MG/KG	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	**males (cont...)**
Epithelium, Hyperplasia																									2	
Tooth																							+			
Malformation																							3			
CARDIOVASCULAR SYSTEM																										
Blood Vessel																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	
Thrombosis														3									2			
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule																						2				
Degeneration, Fatty		1	2		2	2		2		1			1	3	2	2						2		2		
Hyperplasia, Focal																		2								
Hypertrophy, Focal																										
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																									2	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia								1																2		

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FISCHER 344 RATS MALE ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025
20 MG/KG																									**males (cont...)**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Cyst																					3				
Pars Distalis, Hyperplasia, Focal	1			1	1	2	1	1	2	1				2							2		2		
Pars Intermedia, Cyst																									
Pars Intermedia, Hyperplasia, Focal																								2	
Rathke's Cleft, Cyst																								2	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ultimobranchial Cyst																									
C-cell, Hyperplasia		1		1	1		1	1			2				1	2	1				1		2		
Follicle, Cyst			1				2							2											
Follicular Cell, Hyperplasia																									

GENERAL BODY SYSTEM

Tissue NOS																								+	

GENITAL SYSTEM

Coagulating Gland																									
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic		1	2	1	1	1			2	1	2	1	1	2	2	1	1	2		1	1	1		1	1

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DAY ON TEST	042	074	029	067	074	052	030	070	030	030	030	030	030	012	030	031	058	031	093	087	031	029	094	012	031	
FISCHER 344 RATS MALE ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	
20 MG/KG																										**males (cont...)**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic		3	2																2		2		3		2	
Epithelium, Hyperplasia								2	2												2		3		2	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Germinal Epithelium, Atrophy		3	3	3	2			2	4			3														
Interstitial Cell, Hyperplasia																										

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia		4																								
Lymph Node	+	+		+	+			+	+					+	+		+						+	+		
Mediastinal, Ectasia	3							2																		
Mediastinal, Hemorrhage		3																								
Pancreatic, Ectasia														2												
Pancreatic, Hemorrhage		4																								
Pancreatic, Hyperplasia, Histiocytic	2														2									3		
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ectasia					3									2												
Hemorrhage		3			3																					

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1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	0442	0674	0729	0674	0674	0521	0730	0701	0730	0730	0730	0730	0730	0712	0730	0731	0558	0731	0593	0387	0731	0729	0694	0712	0731
FISCHER 344 RATS MALE 20 MG/KG ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025
Hyperplasia, Histiocytic	1		1			1		1		1			1	2	1										1
Hyperplasia, Lymphoid	2																								
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Spleen																									
Fibrosis				2	3																				
Hematopoietic Cell Proliferation	3																								
Necrosis														3											
Pigmentation						3																	2		
Lymphoid Follicle, Hyperplasia																									
Red Pulp, Hyperplasia																3									
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	3			3																					
Cyst																									
Hemorrhage														2											

males (cont...)

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																									
Hyperplasia	1	2		2	1	2		1	2	1	2			2			2	1			1	1	2	2	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst Epithelial Inclusion																									
Fibrosis																									
Hyperkeratosis				2								2			3										
Inflammation, Chronic												3													
Epidermis, Hyperplasia												2			2										

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DAY ON TEST	042	074	029	067	074	052	073	070	073	073	073	073	073	071	073	073	055	073	059	038	073	072	069	071	073	
FISCHER 344 RATS MALE 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	
20 MG/KG	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	**males (cont...)**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Skeletal Muscle													+													
Fibrosis													2													
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression																			3							
Hemorrhage																			2							
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion						3																				
Foreign Body																										
Hemorrhage																										
Infiltration Cellular, Histiocyte	1		2				1				1		2		1							1			1	
Inflammation, Granulomatous																										
Inflammation, Chronic																										
Metaplasia, Osseous																										
Alveolar Epithelium, Hyperplasia								3	2						2			1					3			

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DAY ON TEST	0442	0674	0729	0674	0674	0521	0730	0701	0730	0730	0730	0730	0730	0712	0730	0731	0558	0731	0593	0387	0731	0729	0694	0712	0731
FISCHER 344 RATS MALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
20 MG/KG																									**males (cont...)**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body					2																				
Infiltration Cellular, Lymphocyte																									
Inflammation, Suppurative																									
Inflammation, Chronic				2																					
Respiratory Epithelium, Hyperplasia					2										2										
Vomeronasal Organ, Atrophy																			2						
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cataract								3																	
Retina, Degeneration								4																	
Sclera, Metaplasia, Osseous																									
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte																									
Zymbal's Gland	+																								
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nephropathy	1	3	2	2	2		1	2	1	2	2	1	3	2	2	2	1	2	1		2	2		3	2
Renal Tubule, Necrosis				3	2																				

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FISCHER 344 RATS MALE ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	
20 MG/KG																										**males (cont...)**
Renal Tubule, Pigmentation				3	3			2						2										3		
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	0701	0731	0729	0729	0729	0730	0730	0730	0641	0730	0605	0731	0621	0547	0730	0730	0730	0729	0729	0615	0687	0631	0731	0730	0659		
FISCHER 344 RATS MALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**	
20 MG/KG																											
ALIMENTARY SYSTEM																											
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	**47**	
Edema																											**1 3.0**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	**47**	
Edema																				3							**4 3.0**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	**47**	
Hemorrhage																											**1 3.0**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Hemorrhage																											**1 1.0**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	**47**	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	**47**	
Hemorrhage																											**1 3.0**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Basophilic Focus		X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			X	X	X		**29**	
Clear Cell Focus		X	X	X	X	X	X	X				X				X	X	X	X					X		**23**	
Degeneration, Cystic	2							2		1		1											2		2	**12 1.6**	
Eosinophilic Focus				X			X										X									**7**	
Hemorrhage																										**1 4.0**	

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FISCHER 344 RATS MALE

20 MG/KG

DAY ON TEST	0701	0731	0729	0729	0729	0730	0730	0730	0641	0730	0605	0731	0621	0547	0730	0730	0730	0729	0729	0615	0687	0631	0731	0730	0659	
ANIMAL ID	0012 6	0012 7	0012 8	0012 9	0013 0	0013 1	0013 2	0013 3	0013 4	0013 5	0013 6	0013 7	0013 8	0013 9	0014 0	0014 1	0014 2	0014 3	0014 4	0014 5	0014 6	0014 7	0014 8	0014 9	0015 0	* TOTALS
Hepatodiaphragmatic Nodule					2						2								2							7 2.2
Infiltration Cellular, Mixed Cell				1			2	1						1	1	1										11 1.1
Mixed Cell Focus																										1
Necrosis, Focal																										1 2.0
Thrombosis																										1 4.0
Bile Duct, Hyperplasia	1	2	2	2	1	2	2	2	2	2		2	2	2	2	1	1	2	2			1	1	1		40 1.7
Hepatocyte, Hyperplasia									2																	2 2.0
Hepatocyte, Vacuolization Cytoplasmic	2								2		2					1	2			3		1			4	14 2.1
Mesentery	+							+			+								+	+		+	+	+		12
Fat, Necrosis								2			2								2	3		2	3	1		10 2.2
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Atrophy				2	2		2		2	1			2	2			1	2	1				2			19 1.8
Cyst				2			3		2			2	2											2		7 2.1
Acinus, Cytoplasmic Alteration																									3	2 3.0
Acinus, Hyperplasia, Focal												2						1					2			3 1.7
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Edema	4								4																4	4 3.8
Hemorrhage																										1 2.0
Ulcer	4								3																4	4 3.5
Epithelium, Hyperplasia	3																				2				4	3 3.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Erosion												1								1	2				3	4 1.8
Ulcer																									2	2 2.5

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FISCHER 344 RATS MALE ANIMAL ID	0012 6	0012 7	0012 8	0012 9	0013 0	0013 1	0013 2	0013 3	0013 4	0013 5	0013 6	0013 7	0013 8	0013 9	0014 0	0014 1	0014 2	0014 3	0014 4	0014 5	0014 6	0014 7	0014 8	0014 9	0015 0	*** TOTALS**
20 MG/KG																										
Epithelium, Hyperplasia																				2						**2 2.0**
Tooth																										**1**
Malformation																										**1 3.0**
CARDIOVASCULAR SYSTEM																										
Blood Vessel												+														**1**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy		2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	1		3	2	2	1	**48 2.1**
Thrombosis																				3						**3 2.7**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accessory Adrenal Cortical Nodule																										**1 2.0**
Degeneration, Fatty	2	2			1	2	1			2	4		2	1	2					4				2	3	**25 2.0**
Hyperplasia, Focal																1							1			**3 1.3**
Hypertrophy, Focal														1		1										**2 1.0**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia					3		2			2						1					2					**6 2.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																										**2 1.5**

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FISCHER 344 RATS MALE ANIMAL ID	0012	0012	0012	0012	0013	0013	0013	0013	0013	0013	0013	0013	0013	0013	0014	0014	0014	0014	0014	0014	0014	0014	0014	0014	0015	
20 MG/KG	026	027	028	029	030	031	032	033	034	035	036	037	038	039	040	041	042	043	044	045	046	047	048	049	050	*** TOTALS**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Pars Distalis, Cyst																										**1 3.0**
Pars Distalis, Hyperplasia, Focal		1	3				2					2			3	2	1	3		2		2				**21 1.8**
Pars Intermedia, Cyst																3	1									**2 2.0**
Pars Intermedia, Hyperplasia, Focal																										**1 2.0**
Rathke's Cleft, Cyst																										**1 2.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ultimobranchial Cyst			1										2													**2 1.5**
C-cell, Hyperplasia	1				1		1	2	1	1		2	1	1		1	1		1	1	1		1			**26 1.2**
Follicle, Cyst																			3						3	**5 2.2**
Follicular Cell, Hyperplasia																			1						2	**2 1.5**
GENERAL BODY SYSTEM																										
Tissue NOS																										**1**
GENITAL SYSTEM																										
Coagulating Gland	+											+														**2**
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic			2	2	2	1	1	1	1	1	2	2	1		2	1	1	1	2	1	3	1	2	1		**41 1.4**

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FISCHER 344 RATS MALE ANIMAL ID	0012 6	0012 7	0012 8	0012 9	0013 0	0013 1	0013 2	0013 3	0013 4	0013 5	0013 6	0013 7	0013 8	0013 9	0014 0	0014 1	0014 2	0014 3	0014 4	0014 5	0014 6	0014 7	0014 8	0014 9	0015 0	*** TOTALS**
20 MG/KG																										
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic				2	2	3	2		3	1		2				2			2		2	2	2	1	2	**20 2.1**
Epithelium, Hyperplasia				2				2													2	2				**9 2.1**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Germinal Epithelium, Atrophy		3													4										3	**10 3.0**
Interstitial Cell, Hyperplasia									1					1												**2 1.0**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia													3	4									3			**4 3.5**
Lymph Node	+							+							+					+	+					**16**
Mediastinal, Ectasia																										**2 2.5**
Mediastinal, Hemorrhage																										**1 3.0**
Pancreatic, Ectasia								3																		**2 2.5**
Pancreatic, Hemorrhage																										**1 4.0**
Pancreatic, Hyperplasia, Histiocytic																										**3 2.3**
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	**1**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ectasia				2	2										2							3		2		**7 2.3**
Hemorrhage																										**2 3.0**

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2) Mild 4) Marked

DAY ON TEST	0701	0731	0729	0729	0729	0730	0730	0730	0641	0730	0605	0731	0621	0547	0730	0730	0730	0729	0729	0615	0687	0631	0731	0730	0659	
FISCHER 344 RATS MALE ANIMAL ID	0012 6	0012 7	0012 8	0012 9	0013 0	0013 1	0013 2	0013 3	0013 4	0013 5	0013 6	0013 7	0013 8	0013 9	0014 0	0014 1	0014 2	0014 3	0014 4	0014 5	0014 6	0014 7	0014 8	0014 9	0015 0	*** TOTALS**
20 MG/KG																										
Hyperplasia, Histiocytic	2	2	1	2	2		2		1	2			2			1	1	1	2			2		2	2	**25 1.5**
Hyperplasia, Lymphoid																										**1 2.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accessory Spleen														2												**1 2.0**
Fibrosis						3																		3		**4 2.8**
Hematopoietic Cell Proliferation													3	2											2	**4 2.5**
Necrosis																										**1 3.0**
Pigmentation						2			2									2	2			2			2	**8 2.1**
Lymphoid Follicle, Hyperplasia				2			3							3	3											**4 2.8**
Red Pulp, Hyperplasia																										**1 3.0**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy																										**2 3.0**
Cyst								3																		**1 3.0**
Hemorrhage																										**1 2.0**

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst									3	3									3				2			**4 2.8**
Hyperplasia	2	1			2	2			3	2	1		1		1		1	1	3	1	1		2	3	3	**33 1.7**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst Epithelial Inclusion				X																						**1**
Fibrosis									3																	**1 3.0**
Hyperkeratosis												2				3					3					**6 2.5**
Inflammation, Chronic																										**1 3.0**
Epidermis, Hyperplasia																					2					**3 2.0**

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FISCHER 344 RATS MALE ANIMAL ID	0012 6	0012 7	0012 8	0012 9	0013 0	0013 1	0013 2	0013 3	0013 4	0013 5	0013 6	0013 7	0013 8	0013 9	0014 0	0014 1	0014 2	0014 3	0014 4	0014 5	0014 6	0014 7	0014 8	0014 9	0015 0	*** TOTALS**	
20 MG/KG																											
MUSCULOSKELETAL SYSTEM																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Skeletal Muscle	+																						+			**3**	
Fibrosis																							2				**2 2.0**
NERVOUS SYSTEM																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Compression						3			3	3									2		3				2		**7 2.7**
Hemorrhage																					3						**2 2.5**
RESPIRATORY SYSTEM																											
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Congestion																											**1 3.0**
Foreign Body													2														**1 2.0**
Hemorrhage																							1				**1 1.0**
Infiltration Cellular, Histiocyte			1	1		1	1	1					2	1	1	1			2								**18 1.2**
Inflammation, Granulomatous													2														**1 2.0**
Inflammation, Chronic										1																	**1 1.0**
Metaplasia, Osseous														2													**1 2.0**
Alveolar Epithelium, Hyperplasia				2										1					2								**8 2.0**

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FISCHER 344 RATS MALE ANIMAL ID	0012 6	0012 7	0012 8	0012 9	0013 0	0013 1	0013 2	0013 3	0013 4	0013 5	0013 6	0013 7	0013 8	0013 9	0014 0	0014 1	0014 2	0014 3	0014 4	0014 5	0014 6	0014 7	0014 8	0014 9	0015 0	*** TOTALS**
20 MG/KG																										
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body		2		2																	2	1				**5 1.8**
Infiltration Cellular, Lymphocyte		2																								**1 2.0**
Inflammation, Suppurative																					2					**1 2.0**
Inflammation, Chronic		1		1			1			2																**5 1.4**
Respiratory Epithelium, Hyperplasia				2			2			2											3	2				**7 2.1**
Vomeronasal Organ, Atrophy																										**1 2.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cataract																										**1 3.0**
Retina, Degeneration																										**1 4.0**
Sclera, Metaplasia, Osseous		2																			2					**2 2.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infiltration Cellular, Lymphocyte													2													**1 2.0**
Zymbal's Gland																										**1**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Nephropathy	1	3	3	2	2	3	3	2	2	3		3	2	1	2	1	1	1	2	1	1	1	2	2	3	**46 1.9**
Renal Tubule, Necrosis																										**2 2.5**

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FISCHER 344 RATS MALE ANIMAL ID	0012	0012	0012	0012	0013	0013	0013	0013	0013	0013	0013	0013	0013	0013	0014	0014	0014	0014	0014	0014	0014	0014	0014	0014	0015	
20 MG/KG	026	027	028	029	030	031	032	033	034	035	036	037	038	039	040	041	042	043	044	045	046	047	048	049	050	*** TOTALS**
Renal Tubule, Pigmentation																	1									**6 2.3**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	0731	0731	0673	0666	0589	0730	0730	0610	0730	0729	0663	0729	0729	0648	0729	0731	0697	0563	0544	0666	0730	0729	0729	0659	0731	
FISCHER 344 RATS MALE ANIMAL ID	0015 1	0015 2	0015 3	0015 4	0015 5	0015 6	0015 7	0015 8	0015 9	0016 0	0016 1	0016 2	0016 3	0016 4	0016 5	0016 6	0016 7	0016 8	0016 9	0017 0	0017 1	0017 2	0017 3	0017 4	0017 5	**males (cont...)**
50 MG/KG																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	A	+	+	A	+	+	+	+	A	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																										
Basophilic Focus	X	X		X		X	X	X	X	X		X	X		X	X	X		X		X				X	
Clear Cell Focus		X				X	X		X	X			X								X	X			X	
Clear Cell Focus, Multiple															X								X			
Degeneration, Cystic																									1	
Eosinophilic Focus							X	X							X											
Hepatodiaphragmatic Nodule											2												2		2	
Infiltration Cellular, Mixed Cell																					1		2			
Mixed Cell Focus																X							X			
Necrosis, Focal																										

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FISCHER 344 RATS MALE ANIMAL ID	0015 1	0015 2	0015 3	0015 4	0015 5	0015 6	0015 7	0015 8	0015 9	0016 0	0016 1	0016 2	0016 3	0016 4	0016 5	0016 6	0016 7	0016 8	0016 9	0017 0	0017 1	0017 2	0017 3	0017 4	0017 5
50 MG/KG																									**males (cont...)**
Bile Duct, Hyperplasia		2		2	2	1	1	1	1	1	2	2	2	2	1	1	2	1	2	1	1	2	2	1	2
Hepatocyte, Hyperplasia												3													
Hepatocyte, Vacuolization Cytoplasmic				1										2	1	1							1	2	1
Mesentery					+	+	+	+			+					+							+		
Accessory Spleen					2		X																		
Fat, Necrosis						2		2			2					2							2		
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	2	1		2		1					1	2			2	1	2								1
Infiltration Cellular, Lymphocyte																									1
Acinus, Cytoplasmic Alteration											3														
Acinus, Hyperplasia, Focal																									
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy				3																					
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema														3										4	
Ulcer														3										3	
Epithelium, Hyperplasia				2										2										2	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema			2																						
Erosion			3	2														1		2					
Ulcer																									
Epithelium, Cyst			2																						
Epithelium, Hyperplasia			2	2																					
Muscularis, Hyperplasia																									2

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FISCHER 344 RATS MALE ANIMAL ID	0015	0015	0015	0015	0015	0015	0015	0015	0015	0016	0016	0016	0016	0016	0016	0016	0016	0016	0016	0017	0017	0017	0017	0017	0017	
50 MG/KG	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	**males (cont...)**
Tongue																										
Hyperplasia, Squamous																										
CARDIOVASCULAR SYSTEM																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	2	2	3	3	2	2	2	2	2	1	2	2	1	2	2	2	2	2	2		2		2	2	2	
Thrombosis			3																				3			
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule					3																					
Degeneration, Fatty	1			2		1							1					2		2	1	2		2		
Hyperplasia, Focal																1										
Hypertrophy, Focal									1									1								
Hypertrophy, Diffuse																										
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia	2	2					2									2				1			2	1		
Infiltration Cellular, Lymphocyte				2																						
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia	2	2	2			1	1				2							2								
Parathyroid Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	

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FISCHER 344 RATS MALE ANIMAL ID	0015 1	0015 2	0015 3	0015 4	0015 5	0015 6	0015 7	0015 8	0015 9	0016 0	0016 1	0016 2	0016 3	0016 4	0016 5	0016 6	0016 7	0016 8	0016 9	0017 0	0017 1	0017 2	0017 3	0017 4	0017 5	**males (cont...)**
50 MG/KG																										
Hyperplasia																										
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Angiectasis											4															
Pars Distalis, Cyst	2																					1				
Pars Distalis, Hyperplasia, Focal	2	2			2	1		1							2				2				1		2	
Pars Intermedia, Angiectasis																										
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia		1		2	2	1			1	1	2				1			1		1	1		1			
Follicle, Cyst																										
Follicular Cell, Hyperplasia															1											

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic																										
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst			2												3									4	2	
Fibrosis																										
Hyperplasia																	2									
Inflammation, Chronic	1	1	2	1	1	1	1	2		1	1	1	1	2	1	1	1	1	1	2	1	1	1	1	1	

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FISCHER 344 RATS MALE ANIMAL ID	001551	001552	001553	001554	001555	001556	001557	001558	001559	001560	001561	001562	001563	001564	001565	001566	001567	001568	001569	001570	001571	001572	001573	001574	001575	
50 MG/KG																										**males (cont...)**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic	1		4	2		1						2	2	2			2	3		2				2		
Epithelium, Hyperplasia				2							2			2			2	2						2		
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Malformation																			X							
Germinal Epithelium, Atrophy			3							3		3	2			3				3						
Interstitial Cell, Hyperplasia	1																			1						

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia				3				2									3									
Lymph Node			+		+															+						
Pancreatic, Angiectasis																										
Pancreatic, Hyperplasia, Histiocytic																										
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ectasia								2																		
Hyperplasia, Histiocytic	1					1	1		1			2	1	2	1	1	2				2		1		2	
Hyperplasia, Lymphoid				3																						
Pigmentation															1											

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FISCHER 344 RATS MALE 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	
50 MG/KG	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	**males (cont...)**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hematopoietic Cell Proliferation																										
Hyperplasia, Histiocytic																										
Pigmentation				2						2	2			3			2		3					3		
Lymphoid Follicle, Hyperplasia				2																						
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst									2				3	1				2						3	3	
Hyperplasia	1	2	2	1		1	1		1	1	2	2	2	2	1	1	2	2	1	1	1			2	1	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion									X									3								
Fibrosis																					1					
Hyperkeratosis														3						2						
Inflammation, Suppurative																				2						
Inflammation, Granulomatous																		3								
Inflammation, Chronic																										
Ulcer																										
Epidermis, Hyperplasia																				2						
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cranium, Osteopetrosis																										

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

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

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

DAY ON TEST	073	073	067	066	058	073	073	061	073	072	066	072	072	064	072	073	069	056	054	066	073	072	072	065	073	
FISCHER 344 RATS MALE 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	
50 MG/KG	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	**males (cont...)**
Skeletal Muscle	+																+									
Fibrosis																										
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression											2			2				3	2					3		
Hemorrhage					2																					
Necrosis					3																					
Peripheral Nerve																	+				+					
Spinal Cord																	+				+					
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																										
Infiltration Cellular, Histiocyte		1					1		2	1					1	1			1		1	1	1			
Inflammation, Granulomatous																										
Inflammation, Chronic									2						1				2							
Alveolar Epithelium, Hyperplasia						2	1										2	3								
Serosa, Cyst																							2			
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative				2																						

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DAY ON TEST	0731	0731	0673	0666	0589	0730	0730	0610	0730	0729	0663	0729	0729	0648	0729	0731	0697	0563	0544	0666	0730	0729	0729	0659	0731	
FISCHER 344 RATS MALE ANIMAL ID	0015 1	0015 2	0015 3	0015 4	0015 5	0015 6	0015 7	0015 8	0015 9	0016 0	0016 1	0016 2	0016 3	0016 4	0016 5	0016 6	0016 7	0016 8	0016 9	0017 0	0017 1	0017 2	0017 3	0017 4	0017 5	**males (cont...)**
50 MG/KG																										
Inflammation, Chronic																							2			
Nasolacrimal Duct, Inflammation, Chronic																2										
Respiratory Epithelium, Hyperplasia										2													2			
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cataract																					2					
Retina, Degeneration																2										
Retina, Edema																										
Sclera, Metaplasia, Osseous																										
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic							2																			
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										
Hydronephrosis																										
Nephropathy	2	2		3	2	2	3	1	3	2	1	1	2	3	2	1	1	2	1	2	2	2	3	2	3	
Renal Tubule, Accumulation, Hyaline Droplet																										
Renal Tubule, Pigmentation												1						3			1					

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DAY ON TEST	0731	0731	0673	0666	0589	0730	0730	0610	0730	0729	0663	0729	0729	0648	0729	0731	0697	0563	0544	0666	0730	0729	0729	0659	0731		
FISCHER 344 RATS MALE ANIMAL ID	0015	0015	0015	0015	0015	0015	0015	0015	0015	0016	0016	0016	0016	0016	0016	0016	0016	0016	0016	0017	0017	0017	0017	0017	0017		
50 MG/KG	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75		**males (cont...)**
Urinary Bladder Hemorrhage	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		

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DAY ON TEST	068	068	058	073	058	072	071	072	071	066	067	073	073	068	072	072	072	060	073	060	060	072	072	073	073	
FISCHER 344 RATS MALE 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	002	
50 MG/KG	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	*** TOTALS**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	**48**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	A	+	A	+	+	+	+	+	**44**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	**47**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	**47**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	A	+	A	+	+	+	+	+	**44**
Intestine Small, Jejunum	+	+	+	+	+	+	A	+	+	+	A	+	+	A	+	+	+	A	+	A	+	+	+	+	+	**42**
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	**33**
Clear Cell Focus								X					X						X				X		X	**14**
Clear Cell Focus, Multiple						X																				**3**
Degeneration, Cystic				1						2				2	1							2		2		**7 1.6**
Eosinophilic Focus				X								X	X		X	X	X	X				X		X	X	**13**
Hepatodiaphragmatic Nodule		2			2	2			2			2											2	2		**10 2.0**
Infiltration Cellular, Mixed Cell												1												2		**4 1.5**
Mixed Cell Focus						X																	X			**4**
Necrosis, Focal																					2					**1 2.0**

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FISCHER 344 RATS MALE

50 MG/KG

DAY ON TEST	0687	0682	0587	0730	0589	0729	0717	0729	0710	0666	0676	0730	0730	0684	0729	0729	0729	0605	0731	0607	0607	0729	0729	0731	0731	
ANIMAL ID	0017 6	0017 7	0017 8	0017 9	0018 0	0018 1	0018 2	0018 3	0018 4	0018 5	0018 6	0018 7	0018 8	0018 9	0019 0	0019 1	0019 2	0019 3	0019 4	0019 5	0019 6	0019 7	0019 8	0019 9	0020 0	* TOTALS
Bile Duct, Hyperplasia	2	2	2	2		2	2	2	2	1	2	1	1	2	2	2	1		2			2	1		1	**43 1.6**
Hepatocyte, Hyperplasia								2																		**2 2.5**
Hepatocyte, Vacuolization Cytoplasmic			2							2																**9 1.4**
Mesentery			+	+		+						+	+	+	+	+		+	+	+						**18**
Accessory Spleen				X																						**3 2.0**
Fat, Necrosis			3	2		2						2	3	2		2		2	3	2						**15 2.2**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy	1		2			4		1		3	2	1	1				3		1						1	**21 1.7**
Infiltration Cellular, Lymphocyte																										**1 1.0**
Acinus, Cytoplasmic Alteration							3																			**2 3.0**
Acinus, Hyperplasia, Focal																				3				2		**2 2.5**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy																										**1 3.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Edema			3								4															**4 3.5**
Ulcer			3						2		3															**5 2.8**
Epithelium, Hyperplasia			3											2												**5 2.2**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Edema																										**1 2.0**
Erosion							1																			**5 1.8**
Ulcer											3															**1 3.0**
Epithelium, Cyst																										**1 2.0**
Epithelium, Hyperplasia																										**2 2.0**
Muscularis, Hyperplasia																										**1 2.0**

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DAY ON TEST	068	068	058	073	058	072	071	072	071	066	067	073	073	068	072	072	072	060	073	060	060	072	072	073	073	
FISCHER 344 RATS MALE 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	
50 MG/KG	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	*** TOTALS**
Tongue				+		+																				**2**
Hyperplasia, Squamous				2		2																				**2 2.0**
CARDIOVASCULAR SYSTEM																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	2	2	1	2	2	3	2	2	2	2	2	1	2	3	2	2	2	2	2	3	2	2	2	1	2	**48 2.0**
Thrombosis																										**2 3.0**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accessory Adrenal Cortical Nodule																										**1 3.0**
Degeneration, Fatty	3	3	2	2		1			1	2	2					2				1			2	1		**21 1.7**
Hyperplasia, Focal																										**1 1.0**
Hypertrophy, Focal																						2		2		**4 1.5**
Hypertrophy, Diffuse							2																			**1 2.0**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia		2								2												2				**10 1.8**
Infiltration Cellular, Lymphocyte																										**1 2.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																			2					2		**9 1.8**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**

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DAY ON TEST	0687	0682	0587	0730	0589	0729	0717	0729	0710	0666	0676	0730	0730	0684	0729	0729	0729	0605	0731	0607	0607	0729	0729	0731	0731	
FISCHER 344 RATS MALE ANIMAL ID	0017	0017	0017	0017	0018	0018	0018	0018	0018	0018	0018	0018	0018	0018	0019	0019	0019	0019	0019	0019	0019	0019	0019	0019	0020	
50 MG/KG	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	*** TOTALS**
Hyperplasia																								3		**1 3.0**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pars Distalis, Angiectasis								3																		**2 3.5**
Pars Distalis, Cyst							3				3															**4 2.3**
Pars Distalis, Hyperplasia, Focal			2			3	1			1		2			2	3					1		1			**18 1.7**
Pars Intermedia, Angiectasis																							2			**1 2.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Hyperplasia		1		1	1	1			1	2			1		2											**20 1.3**
Follicle, Cyst										2																**1 2.0**
Follicular Cell, Hyperplasia																										**1 1.0**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic								2																		**1 2.0**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst					3									3	3											**7 2.9**
Fibrosis																					3					**1 3.0**
Hyperplasia																										**1 2.0**
Inflammation, Chronic	2	1		2		1	1	1			1	1	2		3	1	1	1	3	1	1	2	1		1	**43 1.3**

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DAY ON TEST	068	068	058	073	058	072	071	072	071	066	067	073	073	068	072	072	072	060	073	060	060	072	072	073	073	
FISCHER 344 RATS MALE 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	002	
50 MG/KG	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	*** TOTALS**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic		2				1				2	2							2	1	2		2		2		**20 2.0**
Epithelium, Hyperplasia									2	2				1				2		2					2	**12 1.9**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Malformation																										**1**
Germinal Epithelium, Atrophy						1								3		2	3							2		**11 2.5**
Interstitial Cell, Hyperplasia																										**2 1.0**

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia					3		3													3	3					**7 2.9**
Lymph Node		+	+	+					+		+		+	+	+	+						+				**13**
Pancreatic, Angiectasis				2																						**1 2.0**
Pancreatic, Hyperplasia, Histiocytic				2									1													**2 1.5**
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	+	M	M	M	+	M	M	M	M	M	M	M	M	M	M	**2**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ectasia	3				2												2							2		**5 2.2**
Hyperplasia, Histiocytic				2		2	2	2				2	1													**19 1.5**
Hyperplasia, Lymphoid																										**1 3.0**
Pigmentation												1														**2 1.0**

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DAY ON TEST	068	068	058	073	058	072	071	072	071	066	067	073	073	068	072	072	072	060	073	060	060	072	072	073	073		
FISCHER 344 RATS MALE 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	002		
50 MG/KG	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	*** TOTALS**	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hematopoietic Cell Proliferation																					2			2			**2 2.0**
Hyperplasia, Histiocytic				3																							**1 3.0**
Pigmentation					2	2						2						2			2						**12 2.3**
Lymphoid Follicle, Hyperplasia				3				3																			**3 2.7**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	**49**	
INTEGUMENTARY SYSTEM																											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cyst																2	2	2		2		2					**11 2.2**
Hyperplasia	2	2	1	1	1	1	1	1	1	2	2	2		1	1	2	2	2		2	2	1	1				**42 1.5**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cyst Epithelial Inclusion																											**2 3.0**
Fibrosis	2																2										**3 1.7**
Hyperkeratosis				2		3											2		3					3			**7 2.6**
Inflammation, Suppurative																											**1 2.0**
Inflammation, Granulomatous																											**1 3.0**
Inflammation, Chronic																								3			**1 3.0**
Ulcer																								3			**1 3.0**
Epidermis, Hyperplasia						2																		2			**3 2.0**
MUSCULOSKELETAL SYSTEM																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cranium, Osteopetrosis	2																										**1 2.0**

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FISCHER 344 RATS MALE 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	002	
50 MG/KG	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	*** TOTALS**	
Skeletal Muscle				+	+						+															**5**	
Fibrosis				2																							**1 2.0**
NERVOUS SYSTEM																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Compression							2										2	3		3							**9 2.4**
Hemorrhage		3	3								2																**4 2.5**
Necrosis			3																								**2 3.0**
Peripheral Nerve		+																							+	**4**	
Spinal Cord		+									+														+	**5**	
RESPIRATORY SYSTEM																											
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hemorrhage			2																								**1 2.0**
Infiltration Cellular, Histiocyte				1	1	1							1						1				1	1	1		**18 1.1**
Inflammation, Granulomatous				2																							**1 2.0**
Inflammation, Chronic																											**3 1.7**
Alveolar Epithelium, Hyperplasia																											**4 2.0**
Serosa, Cyst																											**1 2.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation, Suppurative																											**1 2.0**

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	068	068	058	073	058	072	071	072	071	066	067	073	073	068	072	072	072	060	073	060	060	072	072	073	073	
FISCHER 344 RATS MALE 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	
50 MG/KG	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	*** TOTALS**
Inflammation, Chronic																										**1 2.0**
Nasolacrimal Duct, Inflammation, Chronic																										**1 2.0**
Respiratory Epithelium, Hyperplasia															2											**3 2.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	**49**
Cataract																									3	**2 2.5**
Retina, Degeneration																	2		2			2				**4 2.0**
Retina, Edema		2																								**1 2.0**
Sclera, Metaplasia, Osseous													1													**1 1.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic																										**1 2.0**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																							1			**1 1.0**
Hydronephrosis											3															**1 3.0**
Nephropathy		2	1	1	2	3	1	3	2	2	2	2	2		2	3		1	2			3	2	2	4	**44 2.0**
Renal Tubule, Accumulation, Hyaline Droplet	4																									**1 4.0**
Renal Tubule, Pigmentation						1		1		3																**6 1.7**

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DAY ON TEST	068	068	058	073	058	072	071	072	071	066	067	073	073	068	072	072	072	060	073	060	060	072	072	073	073		
FISCHER 344 RATS MALE 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	002		
50 MG/KG	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	*** TOTALS**	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hemorrhage											3															**1**	**3.0**

*** END OF MALE DATA ***

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DAY ON TEST	0732	0732	0732	0732	0732	0512	0733	0619	0733	0733	0731	0729	0731	0731	0731	0733	0708	0733	0733	0733	0731	0731	0731	0731	0731	
FISCHER 344 RATS FEMALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	**females (cont...)**
0 MG/KG																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																										
Intestine Small, Duodenum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Serosa, Inflammation, Chronic		2																								
Intestine Small, Jejunum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Basophilic Focus	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Clear Cell Focus			X		X				X						X			X				X			X	
Eosinophilic Focus					X			X					X												X	
Fibrosis																										
Hematopoietic Cell Proliferation																										
Hepatodiaphragmatic Nodule			2			2		3							2											
Infiltration Cellular, Mixed Cell			2	1	1						1			1	1		1	1	1	1		1				
Mixed Cell Focus																										

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DAY ON TEST	0732	0732	0732	0732	0732	0512	0733	0619	0733	0733	0731	0729	0731	0731	0731	0733	0708	0733	0733	0733	0731	0731	0731	0731	0731
FISCHER 344 RATS FEMALE ANIMAL ID	0020 1	0020 2	0020 3	0020 4	0020 5	0020 6	0020 7	0020 8	0020 9	0021 0	0021 1	0021 2	0021 3	0021 4	0021 5	0021 6	0021 7	0021 8	0021 9	0022 0	0022 1	0022 2	0022 3	0022 4	0022 5
0 MG/KG																									**females (cont...)**
Bile Duct, Hyperplasia										1											1			1	
Hepatocyte, Vacuolization Cytoplasmic								2				3				1									
Kupffer Cell, Pigmentation																									
Mesentery	+					+	+		+	+						+								+	
Accessory Spleen							X																		
Fat, Necrosis	3					2			2	2						3								2	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy					1											2									
Cyst	2												2												
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema												4													
Inflammation, Chronic Active												3													
Ulcer												4													
Epithelium, Hyperplasia												3													
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epithelium, Hyperplasia																									
Tongue										+															
Epithelium, Hyperplasia										2															

CARDIOVASCULAR SYSTEM

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DAY ON TEST	0732	0732	0732	0732	0732	0512	0733	0619	0733	0733	0731	0729	0731	0731	0731	0733	0708	0733	0733	0733	0731	0731	0731	0731	0731
FISCHER 344 RATS FEMALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
0 MG/KG																									**females (cont...)**
Blood Vessel	+														+										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	2	2	1	2	2		2	2	2	1	1	2	1		1	2	2	2	1	1	2	2	2	2	2
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Adrenal Cortical Nodule																									
Angiectasis																				2					
Degeneration, Fatty				2				2					2			3					3	1		2	
Hyperplasia, Focal																								2	
Hypertrophy, Focal		2	1				1					3				2		1						2	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia					2																				
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Cyst	2		3	2			2	2			2		3		2		3					2	2		
Pars Distalis, Hyperplasia, Focal				2						2			2		2						2			2	2
Pars Intermedia, Angiectasis									1																
Rathke's Cleft, Cyst	3															3									
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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FISCHER 344 RATS FEMALE ANIMAL ID	0020	0020	0020	0020	0020	0020	0020	0020	0020	0020	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0022	0022	0022	0022	0022
0 MG/KG	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
C-cell, Hyperplasia			2	1	2						1	2	1		2		2	2		2		2	3	2	
Follicular Cell, Hyperplasia																									

females (cont...)

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst				3							3			2					3	3					
Hyperplasia	3		2																						
Inflammation, Suppurative																									
Inflammation, Chronic			2	1			1			1	1		1	1	1	1	1		1			1	1	1	1
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst							3															2			
Bursa, Dilatation			3						X											3					
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Cystic					2									2								1	1		
Inflammation, Suppurative																									

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia								3									4								

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DAY ON TEST	0732	0732	0732	0732	0732	0512	0733	0619	0733	0733	0731	0729	0731	0731	0731	0733	0708	0733	0733	0733	0731	0731	0731	0731	0731
FISCHER 344 RATS FEMALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
0 MG/KG																									**females (cont...)**
Lymph Node																	+								
Deep Cervical, Necrosis																									
Mediastinal, Hyperplasia, Lymphoid																	2								
Mediastinal, Infiltration Cellular, Mast Cell																									
Mediastinal, Pigmentation																									
Pancreatic, Hemorrhage																	3								
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ectasia																					2				2
Hyperplasia, Histiocytic		1	1	1			1	2					2	1				2	2	2	2	2		2	
Pigmentation																									
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation								2									2		2						
Pigmentation	2	2	2	2	3		2		2	2	2	3	2	2	2	1		2	1	2	3	2	2	2	1
Lymphoid Follicle, Hyperplasia																									
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst		3	3		2			1				2	2	1		2	1	1			1				
Hyperplasia	2	2	2	2	2		2	2	1	1	2	2	2	2	3	3	3	3	2	2	2	2	3	2	2
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	0732	0732	0732	0732	0732	0512	0733	0619	0733	0733	0731	0729	0731	0731	0731	0733	0708	0733	0733	0733	0731	0731	0731	0731	0731	
FISCHER 344 RATS FEMALE ANIMAL ID	0020	0020	0020	0020	0020	0020	0020	0020	0020	0020	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0022	0022	0022	0022	0022	
0 MG/KG	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	**females (cont...)**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression			3		2							1														
Hemorrhage																										
Hydrocephalus																										
Peripheral Nerve																										
Spinal Cord																										
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Histiocyte			1	1			1	1	1	1		1		1	1			1	2			1	1	1		
Inflammation, Chronic																			2							
Alveolar Epithelium, Hyperplasia	3							2	1								2		2							
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body				2								2														
Inflammation, Suppurative																										

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DAY ON TEST	0732	0732	0732	0732	0732	0512	0733	0619	0733	0733	0731	0729	0731	0731	0731	0733	0708	0733	0733	0733	0731	0731	0731	0731	0731	
FISCHER 344 RATS FEMALE ANIMAL ID	0020	0020	0020	0020	0020	0020	0020	0020	0020	0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0022	0022	0022	0022	0022	
0 MG/KG	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	**females (cont...)**
Inflammation, Chronic											2	2														
Respiratory Epithelium, Hyperplasia				2							2	2														
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Cataract																										
Sclera, Metaplasia, Osseous																							2			
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lacrimal Gland																		+								
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										
Infarct								3																		
Nephropathy	1	1	1	1	1			2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1	
Renal Tubule, Accumulation, Hyaline Droplet		2																								
Renal Tubule, Pigmentation																										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	073	073	073	073	073	051	073	061	073	073	073	072	073	073	073	073	070	073	073	073	073	073	073	073	073	
FISCHER 344 RATS FEMALE ANIMAL ID	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	
0 MG/KG	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	**females (cont...)**

DAY ON TEST	0732	0732	0689	0732	0699	0736	0688	0736	0689	0732	0732	0732	0732	0732	0703	0619	0619	0736	0736	0621	0732	0732	0621	0732		
FISCHER 344 RATS FEMALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**
0 MG/KG																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Edema				2																						**1 2.0**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Intestine Small, Ileum	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Serosa, Inflammation, Chronic																										**1 2.0**
Intestine Small, Jejunum	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Basophilic Focus	X	X	X	X	X	X	X	X	X		X	X	X	X		X		X	X	X	X	X	X	X	X	**47**
Clear Cell Focus		X				X		X				X										X	X		X	**14**
Eosinophilic Focus														X												**5**
Fibrosis																	2									**1 2.0**
Hematopoietic Cell Proliferation									1																	**1 1.0**
Hepatodiaphragmatic Nodule				2	2			2		2		2									2					**10 2.1**
Infiltration Cellular, Mixed Cell		1						1	1		1		1			1				1	1		1		1	**21 1.0**
Mixed Cell Focus							X																			**1**

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DAY ON TEST	0732	0732	0689	0732	0699	0736	0688	0736	0689	0732	0732	0732	0732	0732	0703	0619	0619	0736	0736	0736	0621	0732	0732	0621	0732	
FISCHER 344 RATS FEMALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**
0 MG/KG																										
Bile Duct, Hyperplasia		1		1			2			2			1		1		2				1				1	**12 1.3**
Hepatocyte, Vacuolization Cytoplasmic												1					2				2					**6 1.8**
Kupffer Cell, Pigmentation		1								2																**2 1.5**
Mesentery			+							+				+		+		+						+		**13**
Accessory Spleen										X																**2**
Fat, Necrosis			3							2				2		2		3						2		**12 2.3**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy					2	2			2						2		1	2					1		1	**10 1.6**
Cyst																	3									**3 2.3**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Edema																										**1 4.0**
Inflammation, Chronic Active																										**1 3.0**
Ulcer																	3									**2 3.5**
Epithelium, Hyperplasia										3							3									**3 3.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Epithelium, Hyperplasia												2														**1 2.0**
Tongue																										**1**
Epithelium, Hyperplasia																										**1 2.0**

CARDIOVASCULAR SYSTEM

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FISCHER 344 RATS FEMALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**
0 MG/KG																										
Blood Vessel																										**2**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	2	2	2	2	2	1	2	1	2		2	2	2	2	2	1		2	1	2	2	2	1	2	2	**46 1.7**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accessory Adrenal Cortical Nodule				2																						**1 2.0**
Angiectasis																										**1 2.0**
Degeneration, Fatty		1	2						2						2		2	2		1				2		**15 1.9**
Hyperplasia, Focal																										**1 2.0**
Hypertrophy, Focal	2		2				2		2													1				**12 1.8**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																										**1 2.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pars Distalis, Cyst										3				2		2		2	3			2			3	**18 2.3**
Pars Distalis, Hyperplasia, Focal	2			2		2		2			2		2	2		1	3	2	2			2		1		**20 2.0**
Pars Intermedia, Angiectasis																										**1 1.0**
Rathke's Cleft, Cyst																										**3 3.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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FISCHER 344 RATS FEMALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**
0 MG/KG																										
C-cell, Hyperplasia	2		1		2		2		2			2	2	1	2			1	2	1		2			2	**27 1.8**
Follicular Cell, Hyperplasia										1																**1 1.0**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst					3																					**6 2.8**
Hyperplasia																			3							**3 2.7**
Inflammation, Suppurative													2													**1 2.0**
Inflammation, Chronic							1	1					1				1			1	1	1			1	**23 1.0**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																	3									**3 2.7**
Bursa, Dilatation					3			3						2												**6 2.8**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia, Cystic			2		2					2						2						2				**9 1.8**
Inflammation, Suppurative		3																								**1 3.0**

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia									4																	**3 3.7**

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FISCHER 344 RATS FEMALE ANIMAL ID	0022	0022	0022	0022	0023	0023	0023	0023	0023	0023	0023	0023	0023	0023	0024	0024	0024	0024	0024	0024	0024	0024	0024	0024	0025	
0 MG/KG	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	*** TOTALS**
Lymph Node			+							+							+						+			**5**
Deep Cervical, Necrosis										4																**1 4.0**
Mediastinal, Hyperplasia, Lymphoid			2																							**2 2.0**
Mediastinal, Infiltration Cellular, Mast Cell																							2			**1 2.0**
Mediastinal, Pigmentation																							2			**1 2.0**
Pancreatic, Hemorrhage																										**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	M	M	M	M	M	**0**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ectasia																										**2 2.0**
Hyperplasia, Histiocytic			1	2	2	2	2	2	2				1	1		2			1	2	2	2	2		2	**29 1.7**
Pigmentation																									2	**1 2.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hematopoietic Cell Proliferation		1							3																	**5 2.0**
Pigmentation	1	1	3	2	2	2		2		1	2	2	1	2		2		1	2	3	2	3	2	2	3	**43 2.0**
Lymphoid Follicle, Hyperplasia													3													**1 3.0**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst		4									3									2					3	**15 2.1**
Hyperplasia	2	2	3	2	2	2	3	2	2	3	2	2	2	2	3		3	1	2	3	2	2	2	3	3	**48 2.2**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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FISCHER 344 RATS FEMALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**
0 MG/KG																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Compression					2		2														3					**6 2.2**
Hemorrhage					3																					**1 3.0**
Hydrocephalus																					2					**1 2.0**
Peripheral Nerve	+							+											+		+					**4**
Spinal Cord	+							+											+		+					**4**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infiltration Cellular, Histiocyte	1		1	1	1	1		1	1			1	1	1		1		1	1	1		1	1	1		**31 1.0**
Inflammation, Chronic																										**1 2.0**
Alveolar Epithelium, Hyperplasia							2					1		1	3				2			2			2	**12 1.9**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body	1							1				2	2													**6 1.7**
Inflammation, Suppurative												2	2						2							**3 2.0**

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FISCHER 344 RATS FEMALE ANIMAL ID	0022	0022	0022	0022	0023	0023	0023	0023	0023	0023	0023	0023	0023	0023	0024	0024	0024	0024	0024	0024	0024	0024	0024	0024	0025	
0 MG/KG	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	*** TOTALS**
Inflammation, Chronic	2																									**3 2.0**
Respiratory Epithelium, Hyperplasia	2							2				2	2													**7 2.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Atrophy																			4							**1 4.0**
Cataract	4							3											4							**3 3.7**
Sclera, Metaplasia, Osseous																										**1 2.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Lacrimal Gland																										**1**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst			3															3								**2 3.0**
Infarct																	2									**2 2.5**
Nephropathy	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	**48 1.1**
Renal Tubule, Accumulation, Hyaline Droplet										3							3									**3 2.7**
Renal Tubule, Pigmentation																	3									**1 3.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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FISCHER 344 RATS FEMALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**
0 MG/KG																										

DAY ON TEST	0485	0726	0731	0731	0731	0733	0733	0733	0733	0337	0731	0731	0731	0668	0731	0732	0732	0732	0732	0732	0639	0736	0736	0736	0732	
FISCHER 344 RATS FEMALE ANIMAL ID	0025	0025	0025	0025	0025	0025	0025	0025	0025	0026	0026	0026	0026	0026	0026	0026	0026	0026	0026	0027	0027	0027	0027	0027	0027	
10 MG/KG	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	**females (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	A	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	
Intestine Large, Rectum	+	A	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	A	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis							2																			
Basophilic Focus	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	
Clear Cell Focus				X		X			X													X				
Fibrosis														1												
Hepatodiaphragmatic Nodule						1														2						
Infiltration Cellular, Mixed Cell	1		1	1	2	1	1	1	1		1		2		1	1	2		2	1		1		2		
Bile Duct, Hyperplasia		2						1			1	1	1						2				1	1		
Hepatocyte, Vacuolization Cytoplasmic																					2					
Mesentery						+						+			+	+	+							+	+	

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DAY ON TEST	0485	0726	0731	0731	0731	0733	0733	0733	0733	0337	0731	0731	0731	0668	0731	0732	0732	0732	0732	0732	0639	0736	0736	0736	0732
FISCHER 344 RATS FEMALE ANIMAL ID	0025	0025	0025	0025	0025	0025	0025	0025	0025	0026	0026	0026	0026	0026	0026	0026	0026	0026	0026	0027	0027	0027	0027	0027	0027
10 MG/KG	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
Fat, Necrosis						2						2			3	2	3							2	2
Oral Mucosa															+										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy				2														1							
Cyst						1											2			2					2
Acinus, Cytoplasmic Alteration																					3				3
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																									
Vacuolization Cytoplasmic																									
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema																									
Ulcer																									
Epithelium, Hyperplasia														2											
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epithelium, Hyperplasia									2																

CARDIOVASCULAR SYSTEM

Blood Vessel													+												
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	2	3	1	2	2	1	2	2	2	1	2	2	2		2	1	2	1		2		2	2	2	
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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BLANK .. Not examined microscopically

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

DAY ON TEST	0485	0726	0731	0731	0731	0733	0733	0733	0733	0337	0731	0731	0731	0668	0731	0732	0732	0732	0732	0732	0639	0736	0736	0736	0732	
FISCHER 344 RATS FEMALE ANIMAL ID	0025 1	0025 2	0025 3	0025 4	0025 5	0025 6	0025 7	0025 8	0025 9	0026 0	0026 1	0026 2	0026 3	0026 4	0026 5	0026 6	0026 7	0026 8	0026 9	0027 0	0027 1	0027 2	0027 3	0027 4	0027 5	**females (cont...)**
10 MG/KG																										
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule								2										2								
Degeneration, Fatty						2		2				2	2			2	2	1		1	1	3				
Hematopoietic Cell Proliferation																										
Hyperplasia, Focal				2		1	1						2													
Hypertrophy, Focal	1							2				3					2			1						
Hypertrophy, Diffuse														2												
Necrosis																										
Capsule, Developmental Malformation																										
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia								2																		
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Angiectasis																										
Pars Distalis, Cyst			2	3	3						3											2	2	2	3	
Pars Distalis, Hyperplasia, Focal			2	2	2			1			1		3			2				1	1	2	2		2	
Rathke's Cleft, Cyst																										
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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\+ .. Tissue examined microscopically
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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	048	072	073	073	073	073	073	073	073	033	073	073	073	066	073	073	073	073	073	073	063	073	073	073	073	
FISCHER 344 RATS FEMALE ANIMAL ID	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	
10 MG/KG	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	**females (cont...)**
C-cell, Hyperplasia				2	1	2	2		1			1		2	2	2	1						2	1	2	
Follicle, Cyst																	2									

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst									3															3		
Hyperplasia									4												2					
Inflammation, Chronic	1	1	1	1	1	1	1					1			1	1		1					1	1	1	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst								3																		
Bursa, Dilatation													3						3							
Corpus Luteum, Hyperplasia																										
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																								2		
Hyperplasia, Cystic	2										1								2			3				
Thrombosis																										
Vagina																										

HEMATOPOIETIC SYSTEM

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1-4 .. Lesion qualified as:
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DAY ON TEST	0485	0726	0731	0731	0731	0733	0733	0733	0733	0337	0731	0731	0731	0668	0731	0732	0732	0732	0732	0732	0639	0736	0736	0736	0732	
FISCHER 344 RATS FEMALE ANIMAL ID	0025 1	0025 2	0025 3	0025 4	0025 5	0025 6	0025 7	0025 8	0025 9	0026 0	0026 1	0026 2	0026 3	0026 4	0026 5	0026 6	0026 7	0026 8	0026 9	0027 0	0027 1	0027 2	0027 3	0027 4	0027 5	**females (cont...)**
10 MG/KG																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Hyperplasia													2					2								
Thrombosis																										
Lymph Node	+	+			+																			+		
Mediastinal, Ectasia																										
Mediastinal, Hemorrhage					1																					
Mediastinal, Hyperplasia, Lymphoid	3																									
Pancreatic, Hemorrhage																								2		
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Histiocytic	2		1	2	2	2	2	2	1				2		2	1		1		1	2	2	2	2		
Hyperplasia, Lymphoid																										
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	
Hematopoietic Cell Proliferation																										
Hemorrhage																										
Pigmentation	3	1	1	2	1	2	2	2	3	2	2	2	2	3	2	2	2	1	2	3		3	1	1	1	
Lymphoid Follicle, Hyperplasia																								3		
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage										2																

INTEGUMENTARY SYSTEM

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2) Mild 4) Marked

DAY ON TEST	048	072	073	073	073	073	073	073	073	033	073	073	073	068	073	073	073	073	073	073	063	073	073	073	073
FISCHER 344 RATS FEMALE ANIMAL ID	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002
10 MG/KG	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst														1											
Hyperplasia		1		2	2	2	3	3	2		1	3	1	3	2	2	3	2	2	1	1	2	2		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst Epithelial Inclusion																									
Hyperkeratosis																									
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle																									
Inflammation, Chronic																									
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Compression		2			2		2							2			2								
Hydrocephalus																									
RESPIRATORY SYSTEM																									
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Congestion														3											
Emphysema																									

females (cont...)

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DAY ON TEST	0485	0726	0731	0731	0731	0733	0733	0733	0733	0337	0731	0731	0731	0668	0731	0732	0732	0732	0732	0732	0639	0736	0736	0736	0732	
FISCHER 344 RATS FEMALE ANIMAL ID	0025 1	0025 2	0025 3	0025 4	0025 5	0025 6	0025 7	0025 8	0025 9	0026 0	0026 1	0026 2	0026 3	0026 4	0026 5	0026 6	0026 7	0026 8	0026 9	0027 0	0027 1	0027 2	0027 3	0027 4	0027 5	**females (cont...)**
10 MG/KG																										
Hemorrhage																										
Infiltration Cellular, Histiocyte	1		1	2	1	1	1		1		1	1	1		2		2	2	1		1		1	1		
Inflammation, Chronic																		2								
Pigmentation																										
Alveolar Epithelium, Hyperplasia					1	1				1	2							2	1				1			
Artery, Hypertrophy	2																									
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body																										
Inflammation, Suppurative																										
Inflammation, Chronic																										
Respiratory Epithelium, Hyperplasia			2	1														2								
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Ear																										
Inflammation, Suppurative																										
Eye	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	
Atrophy		3																								
Cornea, Inflammation, Chronic	1																									
Retina, Degeneration																										
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	0485	0726	0731	0731	0731	0733	0733	0733	0733	0337	0731	0731	0731	0668	0731	0732	0732	0732	0732	0732	0639	0736	0736	0736	0732	
FISCHER 344 RATS FEMALE ANIMAL ID	0025	0025	0025	0025	0025	0025	0025	0025	0025	0026	0026	0026	0026	0026	0026	0026	0026	0026	0026	0026	0027	0027	0027	0027	0027	
10 MG/KG	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	**females (cont...)**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	
Glomerulosclerosis		3																								
Nephropathy	1	1	1	2	2	1	1	1	1		1	2	2	1	1	1	1	1	1	1		1	1	1	1	
Renal Tubule, Vacuolization Cytoplasmic																										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	073	073	073	061	073	073	068	073	073	073	073	070	073	073	065	073	073	073	065	069	065	073	067	073	073		
FISCHER 344 RATS FEMALE ANIMAL ID	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	003		
10 MG/KG	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	*** TOTALS**	
ALIMENTARY SYSTEM																											
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**46**	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	**46**	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**47**	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**46**	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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	X	X			X	X	X	X		**46**
Clear Cell Focus				X	X			X								X		X						X			**10**
Fibrosis																											**1 1.0**
Hepatodiaphragmatic Nodule							X		1			X							2				2	2	2		**9 1.7**
Infiltration Cellular, Mixed Cell	1		1		1			1	1	1	1	1	1	1		1	1	1					2	1	1		**33 1.2**
Bile Duct, Hyperplasia			1							2		1	1		1	1	1					2					**16 1.3**
Hepatocyte, Vacuolization Cytoplasmic															4						4	2					**4 3.0**
Mesentery				+								+						+	+	+	+	+				**14**	

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DAY ON TEST	073	073	073	061	073	073	068	073	073	073	073	070	073	073	065	073	073	073	065	069	065	073	067	073	073	
FISCHER 344 RATS FEMALE ANIMAL ID	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	003	
10 MG/KG	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	*** TOTALS**
Fat, Necrosis				2								2						2	2	3	2	2				**14 2.2**
Oral Mucosa																										**1**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy	4		2	1				2				1								2			1		2	**10 1.8**
Cyst				2											2									1		**7 1.7**
Acinus, Cytoplasmic Alteration															2						3					**4 2.8**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy				2																						**1 2.0**
Vacuolization Cytoplasmic																					4					**1 4.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Edema												2			3						2					**3 2.3**
Ulcer															4						2					**2 3.0**
Epithelium, Hyperplasia																										**1 2.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Epithelium, Hyperplasia															3											**2 2.5**

CARDIOVASCULAR SYSTEM

Blood Vessel																										**1**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	2	2	2	2	2	2	2	2	2	2	1	2	1	2		1		2		1	1	1	2	1	2	**43 1.7**
Thrombosis															3				2							**2 2.5**

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DAY ON TEST	073	073	073	061	073	073	068	073	073	073	073	070	073	073	065	073	073	073	065	069	065	073	067	073	073	
FISCHER 344 RATS FEMALE ANIMAL ID	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	003	
10 MG/KG	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	*** TOTALS**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accessory Adrenal Cortical Nodule													2													**3 2.0**
Degeneration, Fatty		3						1				1	1	2	3	1			3	1	4					**20 1.9**
Hematopoietic Cell Proliferation				1			2																			**2 1.5**
Hyperplasia, Focal																										**4 1.5**
Hypertrophy, Focal						3		2		2						3						2				**10 2.1**
Hypertrophy, Diffuse																										**1 2.0**
Necrosis																				2						**1 2.0**
Capsule, Developmental Malformation																	X									**1**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia												2														**1 2.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia					2			2																1		**4 1.8**
Parathyroid Gland	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pars Distalis, Angiectasis					3																					**1 3.0**
Pars Distalis, Cyst	2	2								3											2					**12 2.4**
Pars Distalis, Hyperplasia, Focal							2		2						2	2	2				2			2	3	**20 1.9**
Rathke's Cleft, Cyst																			1							**1 1.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	073	073	073	061	073	073	068	073	073	073	073	070	073	073	065	073	073	073	065	069	065	073	067	073	073	
FISCHER 344 RATS FEMALE ANIMAL ID	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	003	
10 MG/KG	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	*** TOTALS**
C-cell, Hyperplasia	1	1	2	2	1	1		2	1	2	2		3			2	2	2		2	2	2	2	2	1	**33 1.7**
Follicle, Cyst																										**1 2.0**
GENERAL BODY SYSTEM																										
NONE																										
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst	3											3						3		2	3		2			**8 2.8**
Hyperplasia											4	2														**4 3.0**
Inflammation, Chronic		1			1		1		1		2		2	1				1				3	1	1	2	**26 1.2**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst									3							3					3		2			**5 2.8**
Bursa, Dilatation			3			3							3				3									**6 3.0**
Corpus Luteum, Hyperplasia																					3					**1 3.0**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage																										**1 2.0**
Hyperplasia, Cystic					1			2						2				2								**8 1.9**
Thrombosis			4																							**1 4.0**
Vagina																					+					**1**
HEMATOPOIETIC SYSTEM																										

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FISCHER 344 RATS FEMALE

10 MG/KG

DAY ON TEST	073	073	073	061	073	073	068	073	073	073	073	070	073	073	065	073	073	073	065	069	065	073	067	073	073	
ANIMAL ID	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	003	
	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	* TOTALS
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Atrophy																					2					1 2.0
Hyperplasia		2					2								2				2							6 2.0
Thrombosis																			2							1 2.0
Lymph Node	+																+		+		+	+	+			10
Mediastinal, Ectasia	3																3									2 3.0
Mediastinal, Hemorrhage																	2				3					3 2.0
Mediastinal, Hyperplasia, Lymphoid																			2							2 2.5
Pancreatic, Hemorrhage																							2			2 2.0
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia, Histiocytic	2	1	2	2	1		1	2	2	2	2	2	2	2		2					2			2	2	34 1.8
Hyperplasia, Lymphoid															3											1 3.0
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Hematopoietic Cell Proliferation							2												3		3					3 2.7
Hemorrhage				3																						1 3.0
Pigmentation	2	1	2		3	2	2	3	3	2	2	2		3	2	2	2	2			1		2	2	2	44 2.0
Lymphoid Follicle, Hyperplasia																							4			2 3.5
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hemorrhage																										1 2.0

INTEGUMENTARY SYSTEM

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DAY ON TEST	073	073	073	061	073	073	068	073	073	073	073	070	073	073	065	073	073	073	065	069	065	073	067	073	073	
FISCHER 344 RATS FEMALE ANIMAL ID	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	003	
10 MG/KG	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	*** TOTALS**
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																						3			1	**3 1.7**
Hyperplasia	3		2	2		2		3	3			3	2	2	2	2	2	2	3	3	3	4	3	3	2	**40 2.3**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst Epithelial Inclusion						2																				**1 2.0**
Hyperkeratosis																									3	**1 3.0**

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Skeletal Muscle												+														**1**
Inflammation, Chronic												2														**1 2.0**

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Compression			2									3		3								2	3			**10 2.3**
Hydrocephalus																							3			**1 3.0**

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Congestion																										**1 3.0**
Emphysema												3														**1 3.0**

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DAY ON TEST	073	073	073	061	073	073	068	073	073	073	073	070	073	073	065	073	073	073	065	069	065	073	067	073	073	
FISCHER 344 RATS FEMALE ANIMAL ID	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	003	
10 MG/KG	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	*** TOTALS**
Hemorrhage																							1			**1 1.0**
Infiltration Cellular, Histiocyte	1	1	1		2	1	1	1	1	2	2	2	1	1	1	1	1	1			2			1	1	**37 1.2**
Inflammation, Chronic																										**1 2.0**
Pigmentation												2														**1 2.0**
Alveolar Epithelium, Hyperplasia					3	1										2		1			2			1		**13 1.5**
Artery, Hypertrophy																										**1 2.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body				1					2		2				2											**4 1.8**
Inflammation, Suppurative						2			2																	**2 2.0**
Inflammation, Chronic				3											3											**2 3.0**
Respiratory Epithelium, Hyperplasia				3	2										2		2					2				**8 2.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

SPECIAL SENSES SYSTEM

Ear	+																									**1**
Inflammation, Suppurative	3																									**1 3.0**
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Atrophy																										**1 3.0**
Cornea, Inflammation, Chronic																										**1 1.0**
Retina, Degeneration																						3				**1 3.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	073	073	073	061	073	073	068	073	073	073	073	070	073	073	065	073	073	073	065	069	065	073	067	073	073	
FISCHER 344 RATS FEMALE ANIMAL ID	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	003	
10 MG/KG	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	*** TOTALS**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Glomerulosclerosis																										**1 3.0**
Nephropathy	1	1	2			1	1	1	1	1	1	2	1	1	1	1	1			1	1	1	1	1	1	**44 1.1**
Renal Tubule, Vacuolization Cytoplasmic																					3					**1 3.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	073	073	073	073	073	073	073	073	073	073	073	059	073	065	073	073	073	061	073	054	064	054	044	073	073	
FISCHER 344 RATS FEMALE ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	
20 MG/KG																										**females (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Basophilic Focus	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X		X	X	X	X		X	X	
Clear Cell Focus			X		X				X		X						X							X		
Eosinophilic Focus																					X					
Hepatodiaphragmatic Nodule		2	2			2												2	2	2	2					
Infiltration Cellular, Mixed Cell	1	1		1	1	1	1	1	2	1	2		1		2		1		2			1				
Mixed Cell Focus	X					X																				
Necrosis, Focal															1											
Bile Duct, Hyperplasia							1						2	1	2				1						1	
Hepatocyte, Vacuolization Cytoplasmic																		2								

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DAY ON TEST	073	073	073	073	073	073	073	073	073	073	073	059	073	065	073	073	073	061	073	054	064	054	044	073	073
FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003
20 MG/KG	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Mesentery	+						+		+		+		+			+		+	+	+					
Accessory Spleen							2						2					1							
Fat, Necrosis	2								2		2		2			2		2	2	3					
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	2	2				2				1				3		3								1	
Cyst		1																						1	2
Infiltration Cellular, Lymphocyte																									
Acinus, Cytoplasmic Alteration				3																					
Acinus, Hyperplasia, Focal																									2
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema														4											
Ulcer														4											
Epithelium, Hyperplasia														3											
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ulcer																		1					2		
Tongue																									

CARDIOVASCULAR SYSTEM

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

females (cont...)

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DAY ON TEST	073	073	073	073	073	073	073	073	073	073	073	059	073	065	073	073	073	061	073	054	064	054	044	073	073	
FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	
20 MG/KG	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	**females (cont...)**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule																										
Degeneration, Fatty	2			1					2		1			3	1	2		3					2		1	
Hyperplasia, Focal																									2	
Hypertrophy, Focal			2				2								2	2	2								2	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia											2															
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	
Pars Distalis, Angiectasis																										
Pars Distalis, Cyst				3	2				1							2			3	2			2		3	
Pars Distalis, Hyperplasia, Focal	2		2								1					2				2					3	
Rathke's Cleft, Cyst																										
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ultimobranchial Cyst						2																				
C-cell, Hyperplasia	2			2		1				2	2		2	1	2	2	1			1					2	
Follicle, Cyst							2																			

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DAY ON TEST	073	073	073	073	073	073	073	073	073	073	073	059	073	065	073	073	073	061	073	054	064	054	044	073	073	
FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	
20 MG/KG	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	**females (cont...)**
GENERAL BODY SYSTEM																										
NONE																										
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst				2								3		3				3								
Inflammation, Suppurative																									3	
Inflammation, Chronic		2			1		1	1					3	2		2	1		2			1				
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										
Bursa, Dilatation												3														
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Decidual Reaction																3										
Hemorrhage																										
Hyperplasia, Cystic			2			2		2			2			1	2			1								
Epithelium, Hyperplasia																				2						
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Hyperplasia				2															3	3						

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FISCHER 344 RATS FEMALE

20 MG/KG

females (cont...)

DAY ON TEST	073	073	073	073	073	073	073	073	073	073	073	059	073	065	073	073	073	061	073	054	064	054	044	073	073
ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025
Lymph Node	+	+	+	+								+		+		+		+					+	+	
Congestion																		2							
Deep Cervical, Ectasia			2																						
Mediastinal, Ectasia			2																						
Mediastinal, Hemorrhage																									
Mediastinal, Hyperplasia, Lymphoid		1														2									
Pancreatic, Ectasia				3																					
Pancreatic, Hemorrhage	2			3																				2	
Pancreatic, Hyperplasia, Histiocytic	2																								
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ectasia																									2
Hemorrhage																									
Hyperplasia, Histiocytic	2	2		2			2	2	1	2	2		2			2	2		2	2	2			1	
Hyperplasia, Lymphoid																				2					
Pigmentation																2	2								
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis																							3		
Hematopoietic Cell Proliferation											1				1				2	2					
Hemorrhage																									
Pigmentation		2	2	2	1	2	2	2	2	3	1	1	1	1	1	1	2		1		3	1		2	2
Lymphoid Follicle, Hyperplasia		2																	2						
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	073	073	073	073	073	073	073	073	073	073	073	059	073	065	073	073	073	061	073	054	064	054	044	073	073	
FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	
20 MG/KG	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	**females (cont...)**
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst		3		2						2						1										
Hyperplasia	2	2	2	3						3	1	2	3	1	2	2	2	3	2	2	3			1	2	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression										3											3					
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Histiocyte	1			1	1				2	1			1	1	2	1		1	1			1		1	1	
Inflammation, Chronic																										
Alveolar Epithelium, Hyperplasia					1	2					1						2		2						3	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body								3																1		
Inflammation, Suppurative								2																		

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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1-4 .. Lesion qualified as:
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2) Mild 4) Marked

DAY ON TEST	073	073	073	073	073	073	073	073	073	073	073	059	073	065	073	073	073	061	073	054	064	054	044	073	073	
FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	
20 MG/KG	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	**females (cont...)**
Inflammation, Chronic																										
Respiratory Epithelium, Hyperplasia																										
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	
Retina, Degeneration									3					2		4										
Sclera, Metaplasia, Osseous	2																									
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Lymphocyte																										
Zymbal's Gland																										
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Glomerulosclerosis														4												
Infarct																										
Nephropathy	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1			1		1	1	
Renal Tubule, Pigmentation												3														
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	064	064	073	073	057	068	073	073	073	073	072	068	055	073	073	073	073	073	073	054	073	073	073	059	061	
FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	
20 MG/KG	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	*** TOTALS**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	A	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**46**
Intestine Large, Colon	A	+	+	+	A	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	**45**
Intestine Large, Rectum	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**47**
Intestine Small, Duodenum	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Intestine Small, Ileum	A	+	+	+	A	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	**45**
Intestine Small, Jejunum	A	+	+	+	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	**47**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Basophilic Focus	X		X	X			X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X	X	**42**
Clear Cell Focus			X							X							X	X				X				**11**
Eosinophilic Focus											X		X	X												**4**
Hepatodiaphragmatic Nodule	2														2				3					2		**11 2.1**
Infiltration Cellular, Mixed Cell		2	1	1		1	1	1	2	1					1	1	1	1	1		1	1	2		1	**32 1.2**
Mixed Cell Focus																										**2**
Necrosis, Focal																										**1 1.0**
Bile Duct, Hyperplasia				1		1	1	1	1		2	2		2	1	1					1			1		**18 1.3**
Hepatocyte, Vacuolization Cytoplasmic		3			3					2		3								3			2			**7 2.6**

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FISCHER 344 RATS FEMALE

20 MG/KG

DAY ON TEST	064	064	073	073	057	068	073	073	073	073	072	068	055	073	073	073	073	073	073	054	073	073	073	059	061	
ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	
	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	* TOTALS
Mesentery				+									+						+	+				+	+	15
Accessory Spleen																										3 1.7
Fat, Necrosis				2									2						2	2				3	1	14 2.1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Atrophy	1						2	1	2			1	2	2									2	2		16 1.8
Cyst																								2		4 1.5
Infiltration Cellular, Lymphocyte																					2					1 2.0
Acinus, Cytoplasmic Alteration																										1 3.0
Acinus, Hyperplasia, Focal																										1 2.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Edema		3																								2 3.5
Ulcer					1																					2 2.5
Epithelium, Hyperplasia		2																								2 2.5
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Ulcer																										2 1.5
Tongue										+																1

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cardiomyopathy	2	2	1	2	2	1	2	2	2	2	2		2	2	2	2	2	2	2	1	2	2	1	1	1	43 1.7
Thrombosis																										1 2.0

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DAY ON TEST	064	064	073	073	057	068	073	073	073	073	072	068	055	073	073	073	073	073	073	054	073	073	073	059	061	
FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	
20 MG/KG	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	*** TOTALS**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accessory Adrenal Cortical Nodule														2												**1 2.0**
Degeneration, Fatty		1		1	2	1	2	3				2		2			2	2	3			2		1	1	**24 1.8**
Hyperplasia, Focal																										**1 2.0**
Hypertrophy, Focal				1									2				1									**9 1.8**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia															2						2			3		**3 2.3**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																										**1 2.0**
Parathyroid Gland	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Pars Distalis, Angiectasis								3																		**1 3.0**
Pars Distalis, Cyst														3	2			3		3	3				2	**14 2.4**
Pars Distalis, Hyperplasia, Focal			1	2					2	1	1	2		2						2						**14 1.8**
Rathke's Cleft, Cyst				2								3											2	3		**4 2.5**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ultimobranchial Cyst										1																**2 1.5**
C-cell, Hyperplasia		2	1	2		1			2	2		1						1	1		1	2		1		**24 1.5**
Follicle, Cyst													2													**2 2.0**

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DAY ON TEST	064	064	073	073	057	068	073	073	073	073	072	068	055	073	073	073	073	073	073	054	073	073	073	059	061	
FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	
20 MG/KG	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	*** TOTALS**
GENERAL BODY SYSTEM																										
NONE																										
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst		3		3								4				4										**8 3.1**
Inflammation, Suppurative																										**1 3.0**
Inflammation, Chronic							1		1	1					1		1	1					1		2	**18 1.4**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst													3							3						**2 3.0**
Bursa, Dilatation										3																**2 3.0**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Decidual Reaction																										**1 3.0**
Hemorrhage														4												**1 4.0**
Hyperplasia, Cystic							1					2		2		1										**11 1.6**
Epithelium, Hyperplasia																								2		**2 2.0**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy					2																					**1 2.0**
Hyperplasia		3					3																			**5 2.8**

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FISCHER 344 RATS FEMALE

20 MG/KG

DAY ON TEST	064	064	073	073	057	068	073	073	073	073	072	068	055	073	073	073	073	073	073	054	073	073	073	059	061	
ANIMAL ID	0032 6	0032 7	0032 8	0032 9	0033 0	0033 1	0033 2	0033 3	0033 4	0033 5	0033 6	0033 7	0033 8	0033 9	0034 0	0034 1	0034 2	0034 3	0034 4	0034 5	0034 6	0034 7	0034 8	0034 9	0035 0	* TOTALS
Lymph Node		+				+					+	+								+				+		16
Congestion																										1 2.0
Deep Cervical, Ectasia																										1 2.0
Mediastinal, Ectasia																										1 2.0
Mediastinal, Hemorrhage		3																								1 3.0
Mediastinal, Hyperplasia, Lymphoid		3																								3 2.0
Pancreatic, Ectasia																										1 3.0
Pancreatic, Hemorrhage																										3 2.3
Pancreatic, Hyperplasia, Histiocytic																										1 2.0
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Ectasia								3		2																3 2.3
Hemorrhage				2																						1 2.0
Hyperplasia, Histiocytic	2		1				2				1				1	2	2				2		1			24 1.8
Hyperplasia, Lymphoid																										1 2.0
Pigmentation																										2 2.0
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Fibrosis																										1 3.0
Hematopoietic Cell Proliferation		2																							1	6 1.5
Hemorrhage											3															1 3.0
Pigmentation	3	2	3	1			2	1	2	2			2		2	2	2	3	2		1	2	1		2	39 1.8
Lymphoid Follicle, Hyperplasia																							4			3 2.7
Thymus	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49

INTEGUMENTARY SYSTEM

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DAY ON TEST	0643	0641	0732	0732	0575	0688	0732	0732	0732	0732	0727	0687	0552	0731	0731	0732	0732	0732	0732	0547	0731	0731	0731	0592	0619	
FISCHER 344 RATS FEMALE ANIMAL ID	0032	0032	0032	0032	0033	0033	0033	0033	0033	0033	0033	0033	0033	0033	0034	0034	0034	0034	0034	0034	0034	0034	0034	0034	0035	
20 MG/KG	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	*** TOTALS**
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst						2	1	4					1						3							**9 2.1**
Hyperplasia	2			1	2	2	3	1			1	3	2		2	2		2	2	3	1		1	3		**35 2.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Compression													2						2							**4 2.5**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infiltration Cellular, Histiocyte				1			1	1		1				1	1	1	1	1			1	1	1			**26 1.1**
Inflammation, Chronic																									2	**1 2.0**
Alveolar Epithelium, Hyperplasia			2			2						2									2		2			**11 1.9**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body									2						1		1								1	**6 1.5**
Inflammation, Suppurative		3							2																	**3 2.3**

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DAY ON TEST	0643	0641	0732	0732	0575	0688	0732	0732	0732	0732	0727	0687	0552	0731	0731	0732	0732	0732	0732	0547	0731	0731	0731	0592	0619	
FISCHER 344 RATS FEMALE ANIMAL ID	0032	0032	0032	0032	0033	0033	0033	0033	0033	0033	0033	0033	0033	0033	0034	0034	0034	0034	0034	0034	0034	0034	0034	0034	0035	
20 MG/KG	026	027	028	029	030	031	032	033	034	035	036	037	038	039	040	041	042	043	044	045	046	047	048	049	050	*** TOTALS**
Inflammation, Chronic															3											**1 3.0**
Respiratory Epithelium, Hyperplasia															2											**1 2.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**47**
Retina, Degeneration																										**3 3.0**
Sclera, Metaplasia, Osseous																										**1 2.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infiltration Cellular, Lymphocyte									1																	**1 1.0**
Zymbal's Gland		+																								**1**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Glomerulosclerosis																										**1 4.0**
Infarct		2																								**1 2.0**
Nephropathy		1	1	1		1	1	1	1	1		1		1	1	1	1	1	1	1	2	1	1	1	1	**43 1.0**
Renal Tubule, Pigmentation					2																					**2 2.5**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	0547	0732	0625	0732	0732	0732	0732	0732	0732	0688	0520	0560	0733	0733	0610	0736	0736	0736	0736	0736	0732	0732	0732	0632	0732	
FISCHER 344 RATS FEMALE ANIMAL ID	0035 1	0035 2	0035 3	0035 4	0035 5	0035 6	0035 7	0035 8	0035 9	0036 0	0036 1	0036 2	0036 3	0036 4	0036 5	0036 6	0036 7	0036 8	0036 9	0037 0	0037 1	0037 2	0037 3	0037 4	0037 5	**females (cont...)**
50 MG/KG																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis						2																				
Basophilic Focus		X		X	X	X	X	X	X			X	X	X		X	X	X	X	X	X	X	X		X	
Clear Cell Focus					X	X			X									X	X			X			X	
Degeneration, Cystic																										
Hemorrhage																										
Hepatodiaphragmatic Nodule						2				2									2				2			
Infiltration Cellular, Mixed Cell		1		1		1		1	1				1	2		2	1	2	1	1	2	1			1	
Necrosis, Focal																	2									
Bile Duct, Hyperplasia		1				1	2	1	1	2			1					2	1					1	1	
Centrilobular, Necrosis																										

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
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M .. Missing tissue
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BLANK .. Not examined microscopically

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

FISCHER 344 RATS FEMALE

50 MG/KG

females (cont...)

DAY ON TEST	0547	0732	0625	0732	0732	0732	0732	0732	0732	0688	0520	0560	0733	0733	0610	0736	0736	0736	0736	0736	0732	0732	0732	0632	0732
ANIMAL ID	0035 1	0035 2	0035 3	0035 4	0035 5	0035 6	0035 7	0035 8	0035 9	0036 0	0036 1	0036 2	0036 3	0036 4	0036 5	0036 6	0036 7	0036 8	0036 9	0037 0	0037 1	0037 2	0037 3	0037 4	0037 5
Hepatocyte, Vacuolization Cytoplasmic	2													1										3	
Mesentery	+		+			+		+		+			+		+		+		+			+			
Accessory Spleen																	2								
Fat, Necrosis	2		2			2		2					2		2				2			2			
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy		2	3				4	1				1	3		2		2	1	2	1	1			1	1
Cyst																									
Infiltration Cellular, Lymphocyte					2																	2			
Acinus, Cytoplasmic Alteration	3																								
Acinus, Hyperplasia, Focal				2																					
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema	3											3													
Ulcer	3																								
Epithelium, Hyperplasia	3											2													
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema	2																							3	
Erosion	2																							1	
Ulcer																								2	
Epithelium, Hyperplasia																	2								
Tongue																									
Hyperkeratosis																									

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DAY ON TEST	0547	0732	0625	0732	0732	0732	0732	0732	0732	0688	0520	0560	0733	0733	0610	0736	0736	0736	0736	0736	0732	0732	0732	0632	0732	
FISCHER 344 RATS FEMALE ANIMAL ID	0035 1	0035 2	0035 3	0035 4	0035 5	0035 6	0035 7	0035 8	0035 9	0036 0	0036 1	0036 2	0036 3	0036 4	0036 5	0036 6	0036 7	0036 8	0036 9	0037 0	0037 1	0037 2	0037 3	0037 4	0037 5	**females (cont...)**
50 MG/KG																										
CARDIOVASCULAR SYSTEM																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	2	3	2	2	2	2	2	1	1	1		2	2	2	2	2	2	2	2	2	2	2	3	2	2	
Thrombosis															3											
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration, Fatty	3						1					1		2	2									3		
Hematopoietic Cell Proliferation			1																							
Hyperplasia, Focal																							2			
Hypertrophy, Focal																									1	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia							2			2			2		1									2		
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	M	+	+	+	
Hyperplasia																										
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Angiectasis																		3								
Pars Distalis, Cyst		2		4	3	2				2					2					1		3				
Pars Distalis, Hyperplasia, Focal			3	1		1			1							1	2	1		1			1	2	2	

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DAY ON TEST	054	073	062	073	073	073	073	073	073	068	052	056	073	073	061	073	073	073	073	073	073	073	073	063	073	
FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	
50 MG/KG	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	**females (cont...)**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ultimobranchial Cyst																										
C-cell, Hyperplasia		1		2	1	3	2		1				2	2					1		1		2	1	1	
Follicle, Cyst															2											

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst	3																									
Hyperplasia																										
Inflammation, Suppurative																										
Inflammation, Chronic		2											1	2				1	2	1	1	2	1		2	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis												2														
Cyst												3														
Infiltration Cellular, Histiocyte																					2					
Bursa, Dilatation			3		3		3	3															3			
Follicle, Cyst						2																				
Interstitial Cell, Cyst						2																				
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																										
Hyperplasia, Cystic	2		2		1	2	2												2			1		1	1	

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DAY ON TEST	054	073	062	073	073	073	073	073	073	068	052	056	073	073	061	073	073	073	073	073	073	073	073	063	073	
FISCHER 344 RATS FEMALE ANIMAL ID	001	002	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	
50 MG/KG	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	**females (cont...)**

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										
Lymph Node	+		+							+	+													+		
Mediastinal, Hemorrhage																										
Pancreatic, Hemorrhage																								3		
Pancreatic, Pigmentation																								3		
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ectasia																						2	2			
Hyperplasia, Histiocytic		1			1		2	2	2				1		1	1		2			2	2			1	
Hyperplasia, Lymphoid																										
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hematopoietic Cell Proliferation			2						1																	
Hemorrhage																										
Hyperplasia, Lymphoid																					2					
Infiltration Cellular, Mixed Cell																						1				
Pigmentation		2		1	1	2	2	3				2	2	2		1		1	2	1	2	2	2		1	
Lymphoid Follicle, Hyperplasia				3										3					3		2					
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										

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DAY ON TEST	0547	0732	0625	0732	0732	0732	0732	0732	0732	0688	0520	0560	0733	0733	0610	0736	0736	0736	0736	0736	0732	0732	0732	0632	0732	
FISCHER 344 RATS FEMALE ANIMAL ID	0035 1	0035 2	0035 3	0035 4	0035 5	0035 6	0035 7	0035 8	0035 9	0036 0	0036 1	0036 2	0036 3	0036 4	0036 5	0036 6	0036 7	0036 8	0036 9	0037 0	0037 1	0037 2	0037 3	0037 4	0037 5	**females (cont...)**
50 MG/KG																										
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst							2					3														
Hyperplasia	1		2				3	2		3	1	3		2	1						2			2		
Inflammation, Suppurative																										
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion		3																								
Hyperkeratosis														2							4					
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperostosis																							3			
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression				2			3					3											1			
Hemorrhage																										
Peripheral Nerve																								+		
Spinal Cord																								+		

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DAY ON TEST	0547	0732	0625	0732	0732	0732	0732	0732	0732	0688	0520	0560	0733	0733	0610	0736	0736	0736	0736	0736	0732	0732	0732	0632	0732	
FISCHER 344 RATS FEMALE ANIMAL ID	0035 1	0035 2	0035 3	0035 4	0035 5	0035 6	0035 7	0035 8	0035 9	0036 0	0036 1	0036 2	0036 3	0036 4	0036 5	0036 6	0036 7	0036 8	0036 9	0037 0	0037 1	0037 2	0037 3	0037 4	0037 5	**females (cont...)**
50 MG/KG																										
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Histiocyte		1		1					1				1	1			1		1	1	1	1	1		1	
Inflammation, Chronic																										
Alveolar Epithelium, Hyperplasia				2		3		1	1									2		2		1				
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body						1			1																	
Respiratory Epithelium, Hyperplasia									2																	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																								3		
Cataract																								3		
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst								3																		

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DAY ON TEST	0547	0732	0625	0732	0732	0732	0732	0732	0732	0688	0520	0560	0733	0733	0610	0736	0736	0736	0736	0736	0732	0732	0732	0632	0732	
FISCHER 344 RATS FEMALE ANIMAL ID	00351	00352	00353	00354	00355	00356	00357	00358	00359	00360	00361	00362	00363	00364	00365	00366	00367	00368	00369	00370	00371	00372	00373	00374	00375	
50 MG/KG																										**females (cont...)**
Nephropathy	3	1	1	1		1	1	1	1	2		1	1	2	1	1	1	1	1	1	1	1	1		1	
Renal Tubule, Accumulation, Hyaline Droplet										3																
Renal Tubule, Necrosis																										
Renal Tubule, Pigmentation															3									3		
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	0584	0729	0674	0729	0729	0733	0733	0733	0510	0733	0729	0729	0729	0729	0610	0733	0733	0733	0733	0534	0732	0605	0732	0732	0732	
FISCHER 344 RATS FEMALE ANIMAL ID	0037	0037	0037	0037	0038	0038	0038	0038	0038	0038	0038	0038	0038	0038	0039	0039	0039	0039	0039	0039	0039	0039	0039	0039	0040	
50 MG/KG	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	*** TOTALS**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Intestine Large, Colon	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis																										**1 2.0**
Basophilic Focus		X		X	X	X	X	X		X	X	X	X	X		X	X	X	X		X		X	X	X	**38**
Clear Cell Focus						X				X				X		X	X						X	X		**14**
Degeneration, Cystic																	2									**1 2.0**
Hemorrhage					1																					**1 1.0**
Hepatodiaphragmatic Nodule					2	3		3												2				X		**9 2.3**
Infiltration Cellular, Mixed Cell		1		1	1	1	2	1		1		1		2		1	1	1	1		1		1	1		**31 1.2**
Necrosis, Focal																										**1 2.0**
Bile Duct, Hyperplasia			2	1			2	1			1		1		1			1	1		1		1	1	1	**24 1.2**
Centrilobular, Necrosis					1																					**1 1.0**

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FISCHER 344 RATS FEMALE

50 MG/KG

DAY ON TEST	0584	0729	0674	0729	0729	0733	0733	0733	0510	0733	0729	0729	0729	0729	0610	0733	0733	0733	0733	0534	0732	0605	0732	0732	0732		
ANIMAL ID	0037 6	0037 7	0037 8	0037 9	0038 0	0038 1	0038 2	0038 3	0038 4	0038 5	0038 6	0038 7	0038 8	0038 9	0039 0	0039 1	0039 2	0039 3	0039 4	0039 5	0039 6	0039 7	0039 8	0039 9	0040 0		* TOTALS
Hepatocyte, Vacuolization Cytoplasmic	3														3												5 2.4
Mesentery						+			+				+	+						+						15	
Accessory Spleen													X														2 2.0
Fat, Necrosis						2			2					2						2							12 2.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Atrophy			1			2		1	2	1		1	2			1		2	1	2					1		26 1.6
Cyst													1										2				2 1.5
Infiltration Cellular, Lymphocyte		2																									3 2.0
Acinus, Cytoplasmic Alteration									3																		2 3.0
Acinus, Hyperplasia, Focal							2							2													3 2.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Edema																				2							3 2.7
Ulcer	3																										2 3.0
Epithelium, Hyperplasia	2				4		2													2							6 2.5
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Edema																											2 2.5
Erosion																				2							3 1.7
Ulcer																											1 2.0
Epithelium, Hyperplasia																											1 2.0
Tongue	+																									1	
Hyperkeratosis	2																										1 2.0

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DAY ON TEST	058	072	067	072	072	073	073	073	051	073	072	072	072	072	061	073	073	073	073	053	073	060	073	073	073	
FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	004	
50 MG/KG	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	*** TOTALS**
CARDIOVASCULAR SYSTEM																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	1	2	2	2	2	2	2	1	2	2	2	2	2	2	1	1	2	2	2	2	2		2	2	2	**48 1.9**
Thrombosis																										**1 3.0**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Degeneration, Fatty	3			2							2				1	1	1			3						**13 1.9**
Hematopoietic Cell Proliferation																										**1 1.0**
Hyperplasia, Focal													2													**2 2.0**
Hypertrophy, Focal																					1					**2 1.0**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia		2	2																							**2 2.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia								2	2	2							1	2					2			**11 1.8**
Parathyroid Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	**45**
Hyperplasia							2																			**1 2.0**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pars Distalis, Angiectasis						2	2																			**3 2.3**
Pars Distalis, Cyst	2					3		3											2						3	**13 2.5**
Pars Distalis, Hyperplasia, Focal			2					2		2	2			2				2		2			2			**19 1.7**

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FISCHER 344 RATS FEMALE

50 MG/KG

DAY ON TEST	0584	0729	0674	0729	0729	0733	0733	0733	0510	0733	0729	0729	0729	0729	0610	0733	0733	0733	0733	0534	0732	0605	0732	0732	0732	
ANIMAL ID	0037 6	0037 7	0037 8	0037 9	0038 0	0038 1	0038 2	0038 3	0038 4	0038 5	0038 6	0038 7	0038 8	0038 9	0039 0	0039 1	0039 2	0039 3	0039 4	0039 5	0039 6	0039 7	0039 8	0039 9	0040 0	* TOTALS
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Ultimobranchial Cyst															1											1 1.0
C-cell, Hyperplasia		2		3		2	2			2							2	2	2	2	1			1	1	25 1.7
Follicle, Cyst																										1 2.0

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cyst	3					2				3																4 2.8
Hyperplasia	2															3									2	3 2.3
Inflammation, Suppurative																									2	1 2.0
Inflammation, Chronic			1	1		1				1		1		1		2	1	1	2		1	1	1	1		24 1.3
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Angiectasis																										1 2.0
Cyst																										1 3.0
Infiltration Cellular, Histiocyte																										1 2.0
Bursa, Dilatation			3																							6 3.0
Follicle, Cyst																										1 2.0
Interstitial Cell, Cyst																										1 2.0
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hemorrhage						3																				1 3.0
Hyperplasia, Cystic		2										3						2	2	3						14 1.9

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FISCHER 344 RATS FEMALE
50 MG/KG

DAY ON TEST	058	072	067	072	072	073	073	073	051	073	072	072	072	072	061	073	073	073	073	053	073	060	073	073	073	
ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	004	
	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	*** TOTALS**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia													3													**1 3.0**
Lymph Node	+		+	+																+			+			**10**
Mediastinal, Hemorrhage				2																						**1 2.0**
Pancreatic, Hemorrhage																							1			**2 2.0**
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	M	M	M	M	M	**1**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ectasia																					2		3			**4 2.3**
Hyperplasia, Histiocytic					2		2		1						2		2	2			1					**19 1.6**
Hyperplasia, Lymphoid																	2									**1 2.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hematopoietic Cell Proliferation																										**2 1.5**
Hemorrhage																						4				**1 4.0**
Hyperplasia, Lymphoid																										**1 2.0**
Infiltration Cellular, Mixed Cell																										**1 1.0**
Pigmentation		2		2	2	1	1	2	1	2		2	1	2		2	2	1	2		2		2	2	2	**36 1.7**
Lymphoid Follicle, Hyperplasia					2		4							3		3		2	4				1			**11 2.7**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy														2												**1 2.0**

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DAY ON TEST	058	072	067	072	072	073	073	073	051	073	072	072	072	072	061	073	073	073	073	053	073	060	073	073	073	
FISCHER 344 RATS FEMALE ANIMAL ID	0037	0037	0037	0037	0038	0038	0038	0038	0038	0038	0038	0038	0038	0038	0039	0039	0039	0039	0039	0039	0039	0039	0039	0039	0040	
50 MG/KG	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	*** TOTALS**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst											3															**3 2.7**
Hyperplasia	1	3	2							2	3							1		2	1	1	1	2	1	**23 1.8**
Inflammation, Suppurative		4																								**1 4.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst Epithelial Inclusion																										**1 3.0**
Hyperkeratosis																										**2 3.0**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperostosis																										**1 3.0**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Compression		3																								**5 2.4**
Hemorrhage																				2						**1 2.0**
Peripheral Nerve																										**1**
Spinal Cord																										**1**

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FISCHER 344 RATS FEMALE ANIMAL ID	0037	0037	0037	0037	0038	0038	0038	0038	0038	0038	0038	0038	0038	0038	0039	0039	0039	0039	0039	0039	0039	0039	0039	0039	0040	
50 MG/KG	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	*** TOTALS**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infiltration Cellular, Histiocyte				1			1	1		2		1	1	1		2	1	1	1		1		1	1	1	**27 1.1**
Inflammation, Chronic																2										**1 2.0**
Alveolar Epithelium, Hyperplasia						2													1					1		**10 1.6**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body							2																			**3 1.3**
Respiratory Epithelium, Hyperplasia																										**1 2.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Atrophy																										**1 3.0**
Cataract																										**1 3.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																										**1 3.0**

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DAY ON TEST	0584	0729	0674	0729	0729	0733	0733	0733	0510	0733	0729	0729	0729	0729	0610	0733	0733	0733	0733	0534	0732	0605	0732	0732	0732	
FISCHER 344 RATS FEMALE ANIMAL ID	0037 6	0037 7	0037 8	0037 9	0038 0	0038 1	0038 2	0038 3	0038 4	0038 5	0038 6	0038 7	0038 8	0038 9	0039 0	0039 1	0039 2	0039 3	0039 4	0039 5	0039 6	0039 7	0039 8	0039 9	0040 0	*** TOTALS**
50 MG/KG																										
Nephropathy		2	2	1	1	1	1	1		1		1	1	1	1	1	1	1	1	1	1		1	1	1	**43 1.1**
Renal Tubule, Accumulation, Hyaline Droplet											2															**2 2.5**
Renal Tubule, Necrosis																				2						**1 2.0**
Renal Tubule, Pigmentation			4																							**3 3.3**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

*** END OF REPORT ***

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