F2_R2

C Number:	C20114		
Lock Date:	10/04/2005		
Cage Range:	ALL		
Date Range:	ALL		
Reasons For Removal:	25021 TSAC	25020 NATD	25019 MSAC
Removal Date Range:	ALL		
Treatment Groups:	Include ALL		
TDMSE Version:	1.8.0		

DAY ON TEST	067	073	066	073	073	063	052	068	073	068	073	073	073	073	067	073	073	073	073	069	072	073	067	071	069	
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/L																										**males (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	A	+	+	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																										
Intestine Large, Rectum	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion											2															
Intestine Small, Ileum	+	+	A	+	+	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	
Hyperplasia											2															
Lymphoid Tissue, Hyperplasia												2	2	1					2			2		3		
Intestine Small, Jejunum	+	+	A	+	+	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	
Epithelium, Hyperplasia																								3		
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																										
Basophilic Focus				X	X				X		X		X	X		X	X	X	X			X	X		X	
Clear Cell Focus				X	X				X		X	X	X	X			X	X	X			X		X		
Degeneration, Cystic			3					1	1							4					2					
Eosinophilic Focus		X											X				X					X		X		

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

FISCHER 344 RATS MALE

0 MG/L

males (cont...)

DAY ON TEST	0617	0731	0666	0731	0731	0639	0520	0687	0731	0689	0730	0730	0730	0730	0677	0730	0730	0730	0730	0696	0721	0730	0679	0715	0696
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
Fatty Change							3	3		3						3				2	3				4
Hematopoietic Cell Proliferation																									1
Hepatodiaphragmatic Nodule									X							X				X			X		
Infiltration Cellular, Histiocyte																									
Inflammation, Chronic											1	1	1				1	1	1			1	1	1	
Mixed Cell Focus				X	X							X												X	
Necrosis	2																				1				
Regeneration		X																							
Thrombosis																									
Bile Duct, Hyperplasia	2	3	3	3	2	2	1	1	2	3	1	2	1	1		3	2	2	1	3	2	2	1		1
Centrilobular, Necrosis			3			3	2								3										
Kupffer Cell, Pigmentation										2															
Mesentery	+								+	+				+	+	+									
Accessory Spleen																									
Fat, Necrosis	2								4	4				4	1										
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy		3		1				1					2	1	1		1	1			3	3		1	3
Cyst						3					3					3		3			3				
Acinus, Hyperplasia, Focal		2			3						3					2									
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy		1							1																
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema										3															

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DAY ON TEST	617	731	666	731	731	639	520	687	731	689	730	730	730	730	677	730	730	730	730	696	721	730	679	715	696	
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/L																										**males (cont...)**
Ulcer																										
Epithelium, Hyperplasia										2																
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion			3			2														2						
Hyperplasia													1							1		1	1			
Ulcer																										
Glands, Dilatation																										
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																										
Inflammation, Chronic																	1									
Epithelium, Hyperplasia					3						2															
CARDIOVASCULAR SYSTEM																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	2		1	2	2	3		3	3	1	2	3	2	3	3	3	3	3	3	1	2	3	3	3	1	
Thrombosis			3			4				4																
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule			3		3								3		3				3	3		3	3	3		
Angiectasis																									3	
Degeneration, Fatty				1				4									2									
Hyperplasia, Focal																1	3									
Hyperplasia, Diffuse								3																		

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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	
0 MG/L																										**males (cont...)**
Hypertrophy																	3									
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia				1																2		1		2		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia								2																		
Parathyroid Gland	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Angiectasis																										
Pars Distalis, Cyst																				3						
Pars Distalis, Cytoplasmic Alteration, Focal					1																					
Pars Distalis, Hyperplasia, Focal	2		1				2					1		1	2								1			
Pars Intermedia, Angiectasis																										
Pars Intermedia, Cyst																										
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia										1			3			2		2			1		1		3	
Follicle, Cyst																							3			

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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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	
0 MG/L																										**males (cont...)**
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Granuloma Sperm	3			2																						
Inflammation, Chronic																										
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst															3											
Hyperplasia																						2				
Inflammation, Chronic		2		2	3			2	2			2		2	4		2			3						
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic		2					3				3	1	2				2			1	2					
Epithelium, Hyperplasia									1					1									1			
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Germinal Epithelium, Atrophy											4						1									
Interstitial Cell, Hyperplasia																							2			
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																									4	
Hyperplasia																							4	2		
Myelofibrosis			3																							
Lymph Node					+				+							+				+	+		+			
Mediastinal, Ectasia																					3					

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DAY ON TEST	617	731	666	731	731	639	520	687	731	689	730	730	730	730	677	730	730	730	730	696	721	730	679	715	696	
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/L																										**males (cont...)**
Mediastinal, Hemorrhage																										
Mediastinal, Hyperplasia, Lymphoid																										
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage														2												
Hyperplasia, Lymphoid																										
Infiltration Cellular, Histiocyte				2		2	2		2					2		2						2				
Lymph Node, Pancreatic	+	M	M	M	+	M	+	+	+	+	+	+	M	M	M	+	M	+	M	+	+	M	+	+	+	
Ectasia																										
Infiltration Cellular, Histiocyte	1						2		3	2	2	2						2			2			2		
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Spleen															X											
Fibrosis										3						2										
Hematopoietic Cell Proliferation				2		3		2			2		1				1		2						4	
Metaplasia, Lipocyte																									2	
Necrosis																		4								
Pigmentation						3				3																
Lymphoid Follicle, Atrophy										3																
Thymus	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	M	+	+	+	+	+	+	+	

INTEGUMENTARY SYSTEM

Mammary 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/L																										**males (cont...)**
Hyperplasia						4		4	1	2	4		2	2		4	2				4					
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst						3																				
Cyst Epithelial Inclusion																		X			X		X	X		
Hyperkeratosis			3	2							3															
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cranium, Osteopetrosis																				2						
Skeletal Muscle																								+	+	
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression								4			2					4					4					
Hemorrhage																										
Peripheral Nerve																			+					+		
Spinal Cord																			+					+		
Vacuolization Cytoplasmic																								3		
RESPIRATORY 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/L																									**males (cont...)**
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema						2																			
Hemorrhage															1			1		1					
Infiltration Cellular, Histiocyte				1		4		1	1	1		1	1	1	1		1								
Inflammation, Chronic										1															
Thrombosis										1															
Alveolar Epithelium, Hyperplasia				1					1					2			1		4						
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body										X					X		X					X		X	
Inflammation, Chronic										1										1	2	1			
Thrombosis																									
Respiratory Epithelium, Hyperplasia										1															
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cataract																			2						
Retina, Degeneration																			3						
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic																									2

URINARY SYSTEM

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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	
0 MG/L																										**males (cont...)**
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic														2												
Nephropathy	1	1	3	1	1	1		3	2	1	2	1	2	2		3	2	1	1	1	3	1	1	1	2	
Renal Tubule, Necrosis																										
Renal Tubule, Pigmentation							3									4										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	0730	0652	0734	0734	0734	0730	0730	0679	0731	0587	0731	0730	0716	0482	0727	0484	0684	0731	0731	0731	0730	0652	0730	0731	0693	
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/L																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	**45**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	**47**
Edema												2														**1 2.0**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	I	+	+	I	+	+	+	+	+	+	+	+	I	+	**46**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	**48**
Erosion																										**1 2.0**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	**45**
Hyperplasia																										**1 2.0**
Lymphoid Tissue, Hyperplasia	3								3											3	2					**10 2.3**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	A	+	+	+	+	+	+	+	+	**44**
Epithelium, Hyperplasia																										**1 3.0**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis					2																					**1 2.0**
Basophilic Focus						X	X				X							X	X	X	X	X		X		**22**
Clear Cell Focus	X					X	X		X		X							X	X	X	X	X		X		**23**
Degeneration, Cystic															2			1								**7 2.0**
Eosinophilic Focus				X	X							X	X										X			**10**

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

FISCHER 344 RATS MALE

0 MG/L

DAY ON TEST	730	652	734	734	734	730	730	679	731	587	731	730	716	482	727	484	684	731	731	731	730	652	730	731	693	
ANIMAL ID	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
Fatty Change								3		4							3				2				3	12 3.0
Hematopoietic Cell Proliferation																										1 1.0
Hepatodiaphragmatic Nodule															X											5
Infiltration Cellular, Histiocyte																				1						1 1.0
Inflammation, Chronic	2					1	1		1		1							1	2		1		1	1		19 1.1
Mixed Cell Focus			X	X					X		X							X				X	X			11
Necrosis																1										3 1.3
Regeneration			X																							2
Thrombosis																									2	1 2.0
Bile Duct, Hyperplasia	1	1	3	3	3	1	1	1	1	3	1	3	3	1		1	3	2	2	2	1	2	1	1	3	47 1.9
Centrilobular, Necrosis		1						2							4										3	8 2.6
Kupffer Cell, Pigmentation																									1	2 1.5
Mesentery		+		+	+							+		+					+							12
Accessory Spleen														X												1
Fat, Necrosis		3		3	4							3		2					3							11 3.0
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Atrophy	3	2		1	2	3		1	2	2		2	1	1							2			2		25 1.8
Cyst					3																	3	3		3	9 3.0
Acinus, Hyperplasia, Focal			2			3																				6 2.5
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Atrophy																									2	3 1.3
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Edema										3															2	3 2.7

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2) Mild 4) Marked

DAY ON TEST	0730	0652	0734	0734	0734	0730	0730	0679	0731	0587	0731	0730	0716	0482	0727	0484	0684	0731	0731	0731	0730	0652	0730	0731	0693	
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/L																										
Ulcer										4																**1 4.0**
Epithelium, Hyperplasia																										**1 2.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Erosion										3				1	3		3								4	**8 2.6**
Hyperplasia								1								1	2								1	**8 1.1**
Ulcer										3																**1 3.0**
Glands, Dilatation																									2	**1 2.0**
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	**49**
Hemorrhage								2																		**1 2.0**
Inflammation, Chronic																							1			**2 1.0**
Epithelium, Hyperplasia																										**2 2.5**
CARDIOVASCULAR SYSTEM																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	1	1	2	3	2	1	3	1	3		3	2	2	2	1		3	3	3	3	3	3	2	2	2	**46 2.3**
Thrombosis															4										3	**5 3.6**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accessory Adrenal Cortical Nodule		3			3					3	3				3				3	3			3			**17 3.0**
Angiectasis																										**1 3.0**
Degeneration, Fatty		2								3								2		1						**7 2.1**
Hyperplasia, Focal																										**2 2.0**
Hyperplasia, Diffuse																										**1 3.0**

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DAY ON TEST	0730	0652	0734	0734	0734	0730	0730	0679	0731	0587	0731	0730	0716	0482	0727	0484	0684	0731	0731	0731	0730	0652	0730	0731	0693	
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/L																										
Hypertrophy																										**1 3.0**
Adrenal Medulla	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Hyperplasia				1		2				1	1				2			2		1	1					**12 1.4**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia	2																									**2 2.0**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	**46**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pars Distalis, Angiectasis					3	4																				**2 3.5**
Pars Distalis, Cyst																3					3					**3 3.0**
Pars Distalis, Cytoplasmic Alteration, Focal																						3				**2 2.0**
Pars Distalis, Hyperplasia, Focal									2							1	1						2	3		**12 1.6**
Pars Intermedia, Angiectasis	2																									**1 2.0**
Pars Intermedia, Cyst								3																		**1 3.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Hyperplasia										2	1					1			1							**11 1.6**
Follicle, Cyst																										**1 3.0**

GENERAL BODY SYSTEM

NONE

GENITAL 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/L																										
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Granuloma Sperm																										**2 2.5**
Inflammation, Chronic												2														**1 2.0**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																										**1 3.0**
Hyperplasia																										**1 2.0**
Inflammation, Chronic		2					2					2	2					2	3							**16 2.3**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic	2					2				3	2	2	2		2				3	3		2			4	**19 2.3**
Epithelium, Hyperplasia				1		1															2		2			**7 1.3**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Germinal Epithelium, Atrophy			3								3	4														**5 3.0**
Interstitial Cell, Hyperplasia			3								2	1														**4 2.0**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage																										**1 4.0**
Hyperplasia															4									2		**4 3.0**
Myelofibrosis																	2									**2 2.5**
Lymph Node		+	+	+						+				+		+	+								+	**14**
Mediastinal, Ectasia				3																						**2 3.0**

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DAY ON TEST	0730	0652	0734	0734	0730	0730	0679	0731	0587	0731	0730	0716	0482	0727	0484	0684	0731	0731	0731	0730	0652	0730	0731	0693		
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/L																										
Mediastinal, Hemorrhage				2																						**1 2.0**
Mediastinal, Hyperplasia, Lymphoid				2																						**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**
Hemorrhage										1																**2 1.5**
Hyperplasia, Lymphoid						2																				**1 2.0**
Infiltration Cellular, Histiocyte	2							2					2					2	2	2						**13 2.0**
Lymph Node, Pancreatic	+	+	+	M	+	M	M	+	+	+	M	+	+	+	M	+	+	+	+	M	+	+	M	M	+	**32**
Ectasia																									4	**1 4.0**
Infiltration Cellular, Histiocyte	2	1	2		2								2					2			2				3	**17 2.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accessory Spleen																										**1**
Fibrosis																										**2 2.5**
Hematopoietic Cell Proliferation	1				2	1					2		2		3				2		1		1		3	**18 1.9**
Metaplasia, Lipocyte																										**1 2.0**
Necrosis												2					3								2	**4 2.8**
Pigmentation													2													**3 2.7**
Lymphoid Follicle, Atrophy																										**1 3.0**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	0730	0652	0734	0734	0734	0730	0730	0679	0731	0587	0731	0730	0716	0482	0727	0484	0684	0731	0731	0731	0730	0652	0730	0731	0693	
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/L																										
Hyperplasia	3		2	1	1	3		2		2	4		3		3					4		3	2	1	3	**25 2.6**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																										**1 3.0**
Cyst Epithelial Inclusion																								X		**5**
Hyperkeratosis			3																4							**5 3.0**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cranium, Osteopetrosis																										**1 2.0**
Skeletal Muscle														+												**3**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Compression													2						3	3						**7 3.1**
Hemorrhage																									1	**1 1.0**
Peripheral Nerve														+		+										**4**
Spinal Cord														+		+										**4**
Vacuolization Cytoplasmic																										**1 3.0**

RESPIRATORY SYSTEM

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DAY ON TEST	0730	0652	0734	0734	0734	0730	0730	0679	0731	0587	0731	0730	0716	0482	0727	0484	0684	0731	0731	0731	0730	0652	0730	0731	0693	
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/L																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Edema																										**1 2.0**
Hemorrhage			1						1			1		2									1	1	1	**10 1.1**
Infiltration Cellular, Histiocyte	1		2	1		1	1		1		1	1	1	1	3	1	1	1			1	2	1		4	**28 1.4**
Inflammation, Chronic																										**1 1.0**
Thrombosis																										**1 1.0**
Alveolar Epithelium, Hyperplasia			3								1						1				1	2			3	**11 1.8**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body										X					X		X			X						**9**
Inflammation, Chronic									3	2		2					1									**8 1.6**
Thrombosis																									4	**1 4.0**
Respiratory Epithelium, Hyperplasia									3	2		1					1									**5 1.6**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cataract																										**1 2.0**
Retina, Degeneration		3																								**2 3.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic																						3				**2 2.5**

URINARY SYSTEM

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DAY ON TEST	0730	0652	0734	0734	0734	0730	0730	0679	0731	0587	0731	0730	0716	0482	0727	0484	0684	0731	0731	0731	0730	0652	0730	0731	0693	
FISCHER 344 RATS MALE ANIMAL ID **0 MG/L**	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**
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic											3								2	3				3		**5 2.6**
Nephropathy	3	1	1	1		2	2	1	3	2	3	2	1	1			1	2	3	3	1	2	2	3	3	**45 1.8**
Renal Tubule, Necrosis										1						1										**2 1.0**
Renal Tubule, Pigmentation		3						2																	3	**5 3.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	065	073	071	073	066	073	055	061	063	073	073	058	032	070	072	059	072	071	072	072	045	073	068	047	033	
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	
14.3 MG/L																										**males (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																										
Intestine Large, Colon	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	A	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	
Ulcer																										
Intestine Small, Ileum	+	+	A	+	+	+	A	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	
Lymphoid Tissue, Hyperplasia				1						2	2					2			2	1			3			
Intestine Small, Jejunum	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																										
Basophilic Focus	X	X		X		X				X	X	X			X		X			X			X	X		
Clear Cell Focus				X						X	X						X		X	X						
Degeneration, Cystic																						1				
Eosinophilic Focus				X												X										
Fatty Change			4		3							1	2	3										3	2	
Hemorrhage																2										

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FISCHER 344 RATS MALE

14.3 MG/L

males (cont...)

DAY ON TEST	0652	0731	0713	0734	0667	0734	0559	0617	0636	0731	0731	0584	0321	0706	0729	0595	0729	0713	0729	0729	0454	0730	0687	0477	0337
ANIMAL ID	0051	0052	0053	0054	0055	0056	0057	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	0070	0071	0072	0073	0074	0075
Hepatodiaphragmatic Nodule																					X	X			
Inflammation, Chronic	1						3				1		1		1	1	1		1	1			1	1	
Mixed Cell Focus																				X		X			
Necrosis							2											1							
Regeneration																						X			
Bile Duct, Hyperplasia		3	2	1	3	1	3	1	3	1		2		3	1	1	2	3	1			3	1	1	
Centrilobular, Necrosis												1													
Hepatocyte, Hyperplasia, Focal																		3							
Mesentery																						+			
Fat, Necrosis																						3			
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	2							1							2		3	2		3			3	2	
Cyst									3							4									
Acinus, Hyperplasia, Focal															1					2		2			
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																									
Duct, Cyst																							4		
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active			3																						
Ulcer			3				2							3											
Epithelium, Hyperplasia			3																						
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

DAY ON TEST	065	073	071	073	066	073	055	061	063	073	073	058	032	070	072	059	072	071	072	072	045	073	068	047	033
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
14.3 MG/L	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...)																									
Edema					2																				
Erosion					2							3		3											
Hyperplasia																		1		1					
Ulcer					3							3		3											
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic										1															
CARDIOVASCULAR SYSTEM																									
Blood Vessel							+					+				+								+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	3	3	3	3	2	3	3	2	2	3	3	2	2	2	3	3	3		3	3		2	3		2
Thrombosis					3									3											
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Adrenal Cortical Nodule					3	3		3	3		3			3		3			3			3			3
Degeneration, Fatty		1	1		1	1			1						2								1		
Hyperplasia, Focal																							2		
Hypertrophy, Focal											1														
Necrosis												3													
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia				1							1				1			2							

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DAY ON TEST	065 2	073 1	071 3	073 4	066 7	073 4	055 9	061 7	063 6	073 1	073 1	058 4	032 1	070 6	072 9	059 5	072 9	071 3	072 9	072 9	045 4	073 0	068 7	047 7	033 7	
FISCHER 344 RATS MALE ANIMAL ID	000 51	000 52	000 53	000 54	000 55	000 56	000 57	000 58	000 59	000 60	000 61	000 62	000 63	000 64	000 65	000 66	000 67	000 68	000 69	000 70	000 71	000 72	000 73	000 74	000 75	**males (cont...)**
14.3 MG/L																										
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Angiectasis								4														2				
Pars Distalis, Cyst													3													
Pars Distalis, Cytoplasmic Alteration, Focal																						2				
Pars Distalis, Hyperplasia																				3						
Pars Distalis, Hyperplasia, Focal	1																		3			2				
Pars Intermedia, Cyst					3																					
Pars Intermedia, Metaplasia, Atypical																										
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia				3		1					2				1	1	1									
Follicle, Cyst																										

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										

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DAY ON TEST	0652	0731	0713	0734	0667	0734	0559	0617	0636	0731	0731	0584	0321	0706	0729	0595	0729	0713	0729	0729	0454	0730	0687	0477	0337	
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...)**
14.3 MG/L																										
Hyperplasia										1																
Inflammation, Chronic	4					2					2				2							2				
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic		2	3	2					3						3					2						
Epithelium, Hyperplasia				1															1	1						
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Germinal Epithelium, Atrophy			3					2																		
Interstitial Cell, Hyperplasia						2		2																		
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia	3	3					4	3								3	2						2			
Lymph Node		+						+	+																	
Mediastinal, Ectasia		4																								
Mediastinal, Hemorrhage		2																								
Mediastinal, Hyperplasia, Lymphoid																										
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage												1												2		
Hyperplasia, Lymphoid	2		2										2			2							2			

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DAY ON TEST	065 2	073 1	071 3	073 4	066 7	073 4	055 9	061 7	063 6	073 1	073 1	058 4	032 1	070 6	072 9	059 5	072 9	071 3	072 9	072 9	045 4	073 0	068 7	047 7	033 7	
FISCHER 344 RATS MALE ANIMAL ID	000 51	000 52	000 53	000 54	000 55	000 56	000 57	000 58	000 59	000 60	000 61	000 62	000 63	000 64	000 65	000 66	000 67	000 68	000 69	000 70	000 71	000 72	000 73	000 74	000 75	**males (cont...)**
14.3 MG/L																										
Infiltration Cellular, Histiocyte										2				2		2			1							
Lymph Node, Pancreatic	+	+	M	+	+	+	I	+	+	M	+	M	M	+	+	+	M	+	M	M	+	M	+	+	+	
Ectasia																										
Hemorrhage																					1		1			
Infiltration Cellular, Histiocyte	2	2		2	1	2					2			1	2						1		1		1	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrosis														3				3								
Hematopoietic Cell Proliferation	2					1	2	3			1					1	1		1	1	1		2	1	2	
Pigmentation			4																							
Lymphoid Follicle, Hyperplasia																										
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia		3	3		2		1	2						3	4								2			
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion	X														X											
Hyperkeratosis																										

MUSCULOSKELETAL SYSTEM

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DAY ON TEST	065	073	071	073	066	073	055	061	063	073	073	058	032	070	072	059	072	071	072	072	045	073	068	047	033
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
14.3 MG/L	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...)																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle																									+
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Compression			4			2									4										
Hydrocephalus													2												
Peripheral Nerve										+			+												+
Atrophy																									
Spinal Cord										+			+												+
RESPIRATORY SYSTEM																									
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage			2														1		1						
Infiltration Cellular, Histiocyte	1	1				1	1	1			1	1		1	1			1	1	1					1
Inflammation, Granulomatous																							3		
Metaplasia, Osseous																									
Thrombosis																		2							
Alveolar Epithelium, Hyperplasia										2														2	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body				X					X		X													X	

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DAY ON TEST	065	073	071	073	066	073	055	061	063	073	073	058	032	070	072	059	072	071	072	072	045	073	068	047	033
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
14.3 MG/L	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...)																									
Hemorrhage																								3	
Inflammation, Chronic									2		1				1									2	
Respiratory Epithelium, Hyperplasia									1															2	
Respiratory Epithelium, Metaplasia, Squamous																									
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cataract										3															
Inflammation, Chronic																							1		
Retina, Degeneration										3															
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic								2																	
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																									
Inflammation, Chronic						3									2								3		
Nephropathy	1	1	4	1	1	3		1		2	2	1		2	4	1	2	2		2	1	2	4		
Renal Tubule, Necrosis							3																		
Renal Tubule, Pigmentation					2																				

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DAY ON TEST	065 2	073 1	071 3	073 4	066 7	073 4	055 9	061 7	063 6	073 1	073 1	058 4	032 1	070 6	072 9	059 5	072 9	071 3	072 9	072 9	045 4	073 0	068 7	047 7	033 7	
FISCHER 344 RATS MALE ANIMAL ID	000 51	000 52	000 53	000 54	000 55	000 56	000 57	000 58	000 59	000 60	000 61	000 62	000 63	000 64	000 65	000 66	000 67	000 68	000 69	000 70	000 71	000 72	000 73	000 74	000 75	**males (cont...)**
14.3 MG/L																										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																									3	
Necrosis																									3	
Transitional Epithelium, Hyperplasia																									2	

DAY ON TEST	0731	0687	0729	0729	0729	0731	0731	0731	0731	0731	0345	0731	0731	0731	0729	0629	0729	0580	0734	0734	0730	0730	0730	0730	0730	0688	
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**	
14.3 MG/L																											
ALIMENTARY SYSTEM																											
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**	
Edema																				2							**1 2.0**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**	
Ulcer																									3		**1 3.0**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**46**	
Lymphoid Tissue, Hyperplasia		2							2														1		2		**11 1.8**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	**47**	
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				**28**
Clear Cell Focus	X		X			X		X	X	X		X	X	X	X		X		X			X					**19**
Degeneration, Cystic																	2			2							**3 1.7**
Eosinophilic Focus							X	X					X														**5**
Fatty Change														2		2		2									**10 2.4**
Hemorrhage				2																							**2 2.0**

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FISCHER 344 RATS MALE

14.3 MG/L

DAY ON TEST	0731	0687	0729	0729	0729	0731	0731	0731	0731	0731	0345	0731	0731	0731	0729	0629	0729	0580	0734	0734	0730	0730	0730	0730	0688	
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
Hepatodiaphragmatic Nodule			X				X			X							X									**6**
Inflammation, Chronic	1	1	2	1		1	1		1				1	1	1		1		1			1			3	**25 1.2**
Mixed Cell Focus						X	X	X		X			X													**7**
Necrosis																								1		**3 1.3**
Regeneration								X																		**2**
Bile Duct, Hyperplasia	1	2	2	2	3	1	1	3	1			2	2		1	2		2	1	4	3			3	1	**38 1.9**
Centrilobular, Necrosis																										**1 1.0**
Hepatocyte, Hyperplasia, Focal																										**1 3.0**
Mesentery				+																+			+			**4**
Fat, Necrosis				4																4						**3 3.7**
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy	3							2		2				3		2		1	1			1				**16 2.1**
Cyst			3					3						3							3	3				**7 3.1**
Acinus, Hyperplasia, Focal						1			2					3	1		2					3	1			**10 1.8**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy																				1						**1 1.0**
Duct, Cyst																										**1 4.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active																										**1 3.0**
Ulcer																										**3 2.7**
Epithelium, Hyperplasia																									1	**2 2.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	073	068	072	072	072	073	073	073	073	073	034	073	073	073	072	062	072	058	073	073	073	073	073	073	068	
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	001	
14.3 MG/L	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**
Edema																										**1 2.0**
Erosion																									3	**4 2.8**
Hyperplasia													1								1					**4 1.0**
Ulcer																										**3 3.0**
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic		2	1											1	1											**5 1.2**

CARDIOVASCULAR SYSTEM

Blood Vessel																										**4**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	2	3	3	2			2	2	2	2		3	3	3	3	3	2	1	2	3	3	3	3	1	3	**44 2.5**
Thrombosis		4																								**3 3.3**

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accessory Adrenal Cortical Nodule							3		3					3	3	3	3	3							3	**18 3.0**
Degeneration, Fatty																		3		2				2		**10 1.5**
Hyperplasia, Focal																										**1 2.0**
Hypertrophy, Focal															2											**2 1.5**
Necrosis																4										**2 3.5**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia		2	2	2	2	1		2											2							**11 1.6**

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DAY ON TEST	0731	0687	0729	0729	0729	0731	0731	0731	0731	0731	0345	0731	0731	0731	0729	0629	0729	0580	0734	0734	0730	0730	0730	0730	0688	
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**
14.3 MG/L																										
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parathyroid Gland	+	+	+	+	+	+	M	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	M	+	+	**46**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pars Distalis, Angiectasis		4																								**3 3.3**
Pars Distalis, Cyst			3						3						3											**4 3.0**
Pars Distalis, Cytoplasmic Alteration, Focal																2										**2 2.0**
Pars Distalis, Hyperplasia																										**1 3.0**
Pars Distalis, Hyperplasia, Focal		1																			2				3	**6 2.0**
Pars Intermedia, Cyst																										**1 3.0**
Pars Intermedia, Metaplasia, Atypical															3											**1 3.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Hyperplasia			1							2		2			1	1	1						1			**13 1.4**
Follicle, Cyst			3																							**1 3.0**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																							3			**1 3.0**

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DAY ON TEST	0731	0687	0729	0729	0729	0731	0731	0731	0731	0731	0345	0731	0731	0731	0729	0629	0729	0580	0734	0734	0730	0730	0730	0730	0730	0688	
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**
14.3 MG/L																											
Hyperplasia																											**1 1.0**
Inflammation, Chronic	3					2				3		2	2									2					**11 2.4**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation, Chronic	2		2	3	2	3	2									2	1		2	3			3				**17 2.4**
Epithelium, Hyperplasia		1				1			1						1			1	2			1		1			**11 1.1**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Germinal Epithelium, Atrophy			3																				3				**4 2.8**
Interstitial Cell, Hyperplasia						2												2		1							**5 1.8**

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia		4							3		4	3													3		**12 3.1**
Lymph Node					+												+			+				+		**7**	
Mediastinal, Ectasia																											**1 4.0**
Mediastinal, Hemorrhage																	1										**2 1.5**
Mediastinal, Hyperplasia, Lymphoid																	2										**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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hemorrhage				1				1										1	1				1				**7 1.1**
Hyperplasia, Lymphoid																3											**6 2.2**

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

DAY ON TEST	0731	0687	0729	0729	0729	0731	0731	0731	0731	0731	0345	0731	0731	0731	0729	0629	0729	0580	0734	0734	0730	0730	0730	0730	0730	0688	
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**
14.3 MG/L																											
Infiltration Cellular, Histiocyte	1	1	2	2			2				1	1															**11 1.5**
Lymph Node, Pancreatic	+	+	M	+	+	+	M	+	M	+	M	M	+	M	+	+	+	+	+	+	+	M	+	+	+	**34**	
Ectasia																								3			**1 3.0**
Hemorrhage																									1		**3 1.0**
Infiltration Cellular, Histiocyte		2				2		1		1			2		2	2				1			2	1	2		**22 1.6**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Fibrosis													1														**3 2.3**
Hematopoietic Cell Proliferation	1	3	2			2			3		3	2		1		3		2				1	2				**25 1.8**
Pigmentation																									3		**2 3.5**
Lymphoid Follicle, Hyperplasia												2															**1 2.0**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Atrophy																		3									**1 3.0**

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Hyperplasia				4	2	2	2								1				3	1			3	2			**17 2.4**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cyst Epithelial Inclusion																X											**3**
Hyperkeratosis				3				2																			**2 2.5**

MUSCULOSKELETAL 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**
14.3 MG/L																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Skeletal Muscle																									+	**2**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Compression				4		4																	2			**6 3.3**
Hydrocephalus																										**1 2.0**
Peripheral Nerve						+							+												+	**6**
Atrophy																									1	**1 1.0**
Spinal Cord						+							+												+	**6**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage								1											1	1				1		**7 1.1**
Infiltration Cellular, Histiocyte						2			2	1		1		2	1	1	1	1	1	1			1	2	1	**27 1.1**
Inflammation, Granulomatous																										**1 3.0**
Metaplasia, Osseous												1														**1 1.0**
Thrombosis																										**1 2.0**
Alveolar Epithelium, Hyperplasia		1						3						1									1			**6 1.7**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body		X		X							X						X			X		X	X			**11**

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14.3 MG/L																										
Hemorrhage																										**1 3.0**
Inflammation, Chronic				1						1	1						1			4		2	2			**11 1.6**
Respiratory Epithelium, Hyperplasia		1																		2		2				**5 1.6**
Respiratory Epithelium, Metaplasia, Squamous																				2						**1 2.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cataract						3							3													**3 3.0**
Inflammation, Chronic																										**1 1.0**
Retina, Degeneration						4															1					**3 2.7**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic																										**1 2.0**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst										3														3		**2 3.0**
Inflammation, Chronic										2		2	2		3							2	2			**9 2.3**
Nephropathy	1	2	2	3	1	3	3	2	1	3		3	3	1	3	3	1	1	2	2	2	3	3	2	2	**43 2.1**
Renal Tubule, Necrosis																										**1 3.0**
Renal Tubule, Pigmentation																										**1 2.0**

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

DAY ON TEST	0731	0687	0729	0729	0729	0731	0731	0731	0731	0731	0345	0731	0731	0731	0729	0629	0729	0580	0734	0734	0730	0730	0730	0730	0688	
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**
14.3 MG/L																										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage																										**1 3.0**
Necrosis																										**1 3.0**
Transitional Epithelium, Hyperplasia																										**1 2.0**

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DAY ON TEST	072	072	050	073	068	066	072	052	063	063	065	073	072	061	072	063	067	056	072	072	072	073	073	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	
57.3 MG/L	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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																										
Ulcer			3																							
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Histiocyte											1										1					
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoid Tissue, Hyperplasia													2			2		3				2	2	2		
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	A	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
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			
Degeneration, Cystic												2														
Eosinophilic Focus																								X		
Fatty Change			3		4				3					2											2	
Hematopoietic Cell Proliferation											1	3													1	

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FISCHER 344 RATS MALE
57.3 MG/L

males (cont...)

DAY ON TEST	072	072	050	073	068	066	072	052	063	063	065	073	072	061	072	063	067	056	072	072	072	073	073	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
Hemorrhage																						1			
Hepatodiaphragmatic Nodule		X																		X					
Infiltration Cellular, Histiocyte					1						1														
Inflammation, Chronic	2	1		1			2						2		2	1			1	1	1	2	1		
Mixed Cell Focus												X					X					X		X	
Bile Duct, Hyperplasia	1	1		2		2	2	1	2	2	1			2	2	1		3	2		1	1	1	2	1
Centrilobular, Necrosis																									2
Kupffer Cell, Pigmentation																		3							
Mesentery	+		+	+	+	+		+	+											+					
Accessory Spleen			X																						
Fat, Necrosis				4	4	3		2	4											1					
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	3	2		2	3	2	3			3	2	3	2		1					1			3	2	1
Cyst													3	3		3	3		3		3				
Acinus, Cytoplasmic Alteration					3																				
Acinus, Hyperplasia, Focal		3								2		2	2						3						1
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy							1																		
Necrosis									2																
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ulcer					4				3																
Epithelium, Hyperplasia																									

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DAY ON TEST	072	072	050	073	068	066	072	052	063	063	065	073	072	061	072	063	067	056	072	072	072	073	073	073	073
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
57.3 MG/L																									**males (cont...)**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Erosion			2		4	2																			
Hyperplasia									1				2				1	1	1		1				
Ulcer									3																
Glands, Dilatation																									
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	M	+	+	+	+	+
Inflammation, Chronic																					1	1			
CARDIOVASCULAR SYSTEM																									
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	2	1		3	2		3	2	1	2	3	3	3		3	2	2		2	2	2	2	3	3	3
Thrombosis																									
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Adrenal Cortical Nodule				3								3			3			3		3					3
Angiectasis																									
Degeneration, Fatty					3			2																	1
Hyperplasia, Focal												1							1		1				
Hyperplasia, Diffuse																									
Necrosis																									
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia	2	1	1		2						2	2			1		3				1				

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DAY ON TEST	0729	0729	0503	0731	0686	0662	0729	0521	0631	0636	0652	0730	0729	0617	0729	0631	0673	0560	0729	0729	0729	0734	0734	0734	0730
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
57.3 MG/L																									**males (cont...)**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Angiectasis																									
Pars Distalis, Cyst																					3		3		3
Pars Distalis, Cytoplasmic Alteration, Focal												2	1												
Pars Distalis, Hyperplasia, Focal																	1	1			1	1			
Pars Intermedia, Cyst									3					3											
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ultimobranchial Cyst																									
C-cell, Hyperplasia				2				1				1	1					1			1		1	1	2

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic		2											2												
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia				3																3					
Inflammation, Chronic	3							2										2	2	2		2		2	

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2) Mild 4) Marked

DAY ON TEST	0729	0729	0503	0731	0686	0662	0729	0521	0631	0636	0652	0730	0729	0617	0729	0631	0673	0560	0729	0729	0729	0734	0734	0734	0730
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
57.3 MG/L																									**males (cont...)**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst										3															
Inflammation, Chronic								2		2					2	2			2	1					
Epithelium, Hyperplasia							1									2			1						
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Germinal Epithelium, Atrophy				3	3																				
Interstitial Cell, Hyperplasia			2		2																				

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia											3	3	3				4								3
Lymph Node			+										+								+				
Mediastinal, Hemorrhage																					2				
Mediastinal, Hyperplasia, Lymphoid																					3				
Mediastinal, Pigmentation																					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
Ectasia				2																					
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage					3		1						1			1		1							
Hyperplasia, Lymphoid																		2							
Infiltration Cellular, Histiocyte	2	2		2	2	2	2	2	2	2	2	2			2	2		2		2	1			1	

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DAY ON TEST	072	072	050	073	068	066	072	052	063	063	065	073	072	061	072	063	067	056	072	072	072	073	073	073	073	
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	
57.3 MG/L	9	9	3	1	6	2	9	1	1	6	2	0	9	7	9	1	3	0	9	9	9	4	4	4	0	**males (cont...)**
Lymph Node, Pancreatic	M	M	+	+	+	+	M	M	+	+	+	+	+	+	+	M	+	+	+	M	+	M	M	M	+	
Congestion													3													
Ectasia					3																					
Hemorrhage					2								3												3	
Infiltration Cellular, Histiocyte					3					2		2					1	2	2		1				3	
Pigmentation																									2	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Spleen																										
Fibrosis																										
Hematopoietic Cell Proliferation	2					2	1				3	3	3		1		3	2	2			1	2	1	3	
Hemorrhage																										
Necrosis									4																	
Pigmentation					4																					
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	I	+	+	+	+	
Atrophy					4																					

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia	2				4			4		3						4			2	2	2		1			
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion																						X				
Edema																									3	
Hyperkeratosis													3													

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DAY ON TEST	072	072	050	073	068	066	072	052	063	063	065	073	072	061	072	063	067	056	072	072	072	073	073	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	
57.3 MG/L	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...)**
Epidermis, Hyperplasia													3													
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cranium, Osteopetrosis																									2	
Skeletal Muscle						+							+													
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression					2			4		4						3										
Peripheral Nerve					+	+				+							+									
Spinal Cord					+	+				+							+									
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage							1	1	2				2													
Infiltration Cellular, Histiocyte	1	1	1	1	1					1		1	1	1	1		1	1	1	1	1	1		1	1	
Metaplasia, Osseous																										
Alveolar Epithelium, Hyperplasia									3													3				
Alveolar Epithelium, Metaplasia,									3																	

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DAY ON TEST	072	072	050	073	068	066	072	052	063	063	065	073	072	061	072	063	067	056	072	072	072	073	073	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	
57.3 MG/L	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...)**
Squamous																										
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body											X	X	X			X										
Inflammation, Chronic							2									3									1	
Respiratory Epithelium, Hyperplasia							2									2										
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cataract										3																
Retina, Degeneration										4																
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										
Infiltration Cellular, Lipocyte																										
Inflammation, Chronic	2										2				2						2					
Nephropathy	2	2		2	4	1	2	1	1		1	1	3	1	3	1	2	1	2	3	3	2	2	2	2	
Renal Tubule, Accumulation, Hyaline Droplet													3													
Renal Tubule, Dilatation									2								3									

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DAY ON TEST	072	072	050	073	068	066	072	052	063	063	065	073	072	061	072	063	067	056	072	072	072	073	073	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	
57.3 MG/L	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...)**
Renal Tubule, Necrosis									2																	
Renal Tubule, Pigmentation									3																	
Transitional Epithelium, Hyperplasia											3															
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Calculus Micro Observation Only																										
Edema																										
Hemorrhage																										
Inflammation, Chronic																										

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DAY ON TEST	0501	0579	0729	0729	0729	0729	0310	0729	0729	0272	0729	0731	0731	0640	0730	0730	0731	0667	0731	0731	0709	0731	0731	0595	
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 3	0014 4	0014 5	0014 6	0014 7	0014 8	0014 9	0015 0	*** TOTALS**	
57.3 MG/L																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	**48**	
Intestine Large, Cecum	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**46**	
Edema					2																					**1 2.0**
Ulcer																										**1 3.0**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Intestine Large, Rectum	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**	
Intestine Small, Duodenum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**47**	
Infiltration Cellular, Histiocyte	1										1						1							2		**6 1.2**
Intestine Small, Ileum	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**46**	
Lymphoid Tissue, Hyperplasia				2																	2	1				**9 2.0**
Intestine Small, Jejunum	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**45**	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Basophilic Focus			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		**16**
Degeneration, Cystic																		2								**2 2.0**
Eosinophilic Focus					X				X				X													**4**
Fatty Change							4					2		2		1							2			**10 2.5**
Hematopoietic Cell Proliferation																										**3 1.7**

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FISCHER 344 RATS MALE

57.3 MG/L

DAY ON TEST	0501	0579	0729	0729	0729	0729	0310	0729	0729	0272	0729	0731	0731	0640	0730	0730	0731	0667	0731	0731	0709	0731	0731	0595	
ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0043	0044	0045	0046	0047	0048	0049	0050	* TOTALS
Hemorrhage																									1 1.0
Hepatodiaphragmatic Nodule		X												X				X					X		6
Infiltration Cellular, Histiocyte																									2 1.0
Inflammation, Chronic			1	1							1	1			1		1		2		1	1			21 1.3
Mixed Cell Focus																				X					5
Bile Duct, Hyperplasia		1			3	2		1	2		2	1	1	3	1	2		3		1		1			33 1.6
Centrilobular, Necrosis	2																	1							3 1.7
Kupffer Cell, Pigmentation																									1 3.0
Mesentery	+				+		+		+							+			+			+			15
Accessory Spleen																									1
Fat, Necrosis									3							3			3			2			10 2.9
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Atrophy			1			1		1	2				2			2		1		1		4			24 2.0
Cyst															3	3							3		9 3.0
Acinus, Cytoplasmic Alteration																									1 3.0
Acinus, Hyperplasia, Focal								1			3								3						9 2.2
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Atrophy															1										2 1.0
Necrosis																									1 2.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Ulcer	2																								3 3.0
Epithelium, Hyperplasia														3						1					2 2.0

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DAY ON TEST	0501	0579	0729	0729	0729	0729	0310	0729	0729	0272	0729	0731	0731	0640	0730	0730	0731	0667	0731	0731	0709	0731	0731	0595	
FISCHER 344 RATS MALE ANIMAL ID	0012	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**
57.3 MG/L																									
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Erosion	3				2									1											**6 2.3**
Hyperplasia										1												1		1	**9 1.1**
Ulcer																									**1 3.0**
Glands, Dilatation			2																						**1 2.0**
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**47**
Inflammation, Chronic					1						1	1			1										**6 1.0**

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Cardiomyopathy		3	2	3	3	3	1	3	2	1	3	1	3	1	3	1	2	1	2	3	3	3	3	2	**44 2.3**
Thrombosis																		2							**1 2.0**

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Accessory Adrenal Cortical Nodule					3	3			3							3	3	3				3			**13 3.0**
Angiectasis																								3	**1 3.0**
Degeneration, Fatty											1		1		1					1			1	4	**9 1.7**
Hyperplasia, Focal		1	1								2														**6 1.2**
Hyperplasia, Diffuse																								3	**1 3.0**
Necrosis	4																								**1 4.0**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Hyperplasia			1		3			2	2		2				2	3		1							**17 1.8**

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DAY ON TEST	501	579	729	729	729	729	310	729	729	272	729	731	731	640	730	730	731	667	731	731	709	731	731	595	
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	
57.3 MG/L	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	43	44	45	46	47	48	49	50	*** TOTALS**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Parathyroid Gland	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	**46**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Pars Distalis, Angiectasis														4		2									**2 3.0**
Pars Distalis, Cyst						3					3		3					3							**7 3.0**
Pars Distalis, Cytoplasmic Alteration, Focal																						3			**3 2.0**
Pars Distalis, Hyperplasia, Focal					2			3					2	3	3	2		2				2			**12 1.9**
Pars Intermedia, Cyst																									**2 3.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Ultimobranchial Cyst												3													**1 3.0**
C-cell, Hyperplasia			2		2				1		1		2		1		2		1					1	**18 1.3**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Inflammation, Chronic																									**2 2.0**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Hyperplasia																									**2 3.0**
Inflammation, Chronic						2			2			2				3	2						2		**13 2.2**

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2) Mild 4) Marked

DAY ON TEST	0501	0579	0729	0729	0729	0729	0310	0729	0729	0272	0729	0731	0731	0640	0730	0730	0731	0667	0731	0731	0709	0731	0731	0595		
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 3	0014 4	0014 5	0014 6	0014 7	0014 8	0014 9	0015 0	*** TOTALS**	
57.3 MG/L																										
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Cyst																										**1 3.0**
Inflammation, Chronic	3	3					4					2			2					2	3		2			**14 2.3**
Epithelium, Hyperplasia			2	2				1									2									**7 1.6**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Germinal Epithelium, Atrophy		3			2	4			4																	**6 3.2**
Interstitial Cell, Hyperplasia				1																						**3 1.7**

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Hyperplasia				2		2																				**7 2.9**
Lymph Node							+						+			+									**6**	
Mediastinal, Hemorrhage																										**1 2.0**
Mediastinal, Hyperplasia, Lymphoid																										**1 3.0**
Mediastinal, Pigmentation																										**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	**5**	
Ectasia																										**1 2.0**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Hemorrhage									2					1								1		1		**9 1.3**
Hyperplasia, Lymphoid																				2						**2 2.0**
Infiltration Cellular, Histiocyte		2		2		2			2		2	2	2		2				2	2	1		2	2		**30 1.9**

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

DAY ON TEST	0501	0579	0729	0729	0729	0729	0310	0729	0729	0272	0729	0731	0731	0640	0730	0730	0731	0667	0731	0731	0709	0731	0731	0595	
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 3	0014 4	0014 5	0014 6	0014 7	0014 8	0014 9	0015 0	*** TOTALS**
57.3 MG/L																									
Lymph Node, Pancreatic	+	M	+	+	+	+	+	M	+	M	M	M	+	+	+	+	+	+	+	M	+	+	+	+	**34**
Congestion																									**1 3.0**
Ectasia																									**1 3.0**
Hemorrhage																								3	**4 2.8**
Infiltration Cellular, Histiocyte				2					2				2		2		2	3			2		1	2	**17 2.0**
Pigmentation																									**1 2.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Accessory Spleen	X																						X		**2**
Fibrosis					3													1							**2 2.0**
Hematopoietic Cell Proliferation			2	2							1				1		2						1		**20 1.9**
Hemorrhage										4															**1 4.0**
Necrosis	4									4						3									**4 3.8**
Pigmentation																									**1 4.0**
Thymus	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**46**
Atrophy																									**1 4.0**

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Hyperplasia				3	2							3		2	3	3				4	4		4	3	**19 2.9**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Cyst Epithelial Inclusion																						X			**2**
Edema																									**1 3.0**
Hyperkeratosis																									**1 3.0**

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DAY ON TEST	0501	0579	0729	0729	0729	0729	0310	0729	0729	0272	0729	0731	0731	0640	0730	0730	0731	0667	0731	0731	0709	0731	0731	0595		
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 3	0014 4	0014 5	0014 6	0014 7	0014 8	0014 9	0015 0		*** TOTALS**
57.3 MG/L																										
Epidermis, Hyperplasia																										**1 3.0**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Cranium, Osteopetrosis																					3					**2 2.5**
Skeletal Muscle																									**2**	
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Compression		3										4									4		4	3		**9 3.4**
Peripheral Nerve			+																						**5**	
Spinal Cord			+																						**5**	
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Hemorrhage									1						1	1										**7 1.3**
Infiltration Cellular, Histiocyte		1	1	1		1			1		1	1			1		1			1	2	1	1	1		**32 1.0**
Metaplasia, Osseous												2														**1 2.0**
Alveolar Epithelium, Hyperplasia																3						1				**4 2.5**
Alveolar Epithelium, Metaplasia,																										**1 3.0**

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DAY ON TEST	0501	0579	0729	0729	0729	0729	0310	0729	0729	0272	0729	0731	0731	0640	0730	0730	0731	0667	0731	0731	0709	0731	0731	0595		
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 3	0014 4	0014 5	0014 6	0014 7	0014 8	0014 9	0015 0	*** TOTALS**	
57.3 MG/L																										
Squamous																										
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Foreign Body					X												X	X		X	X					**9**
Inflammation, Chronic															2		1	3		1	1					**8 1.8**
Respiratory Epithelium, Hyperplasia																	1	2								**4 1.8**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Cataract			3																							**2 3.0**
Retina, Degeneration			4													1							2			**4 2.8**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Cyst			3																							**1 3.0**
Infiltration Cellular, Lipocyte																		3								**1 3.0**
Inflammation, Chronic												2								2		2	3			**8 2.1**
Nephropathy	1	3	2	3	3	1		1	1		3	3	1	2	3	2	2	1	1	3	3	2	4	3		**45 2.0**
Renal Tubule, Accumulation, Hyaline Droplet														3												**2 3.0**
Renal Tubule, Dilatation	3																									**3 2.7**

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DAY ON TEST	0501	0579	0729	0729	0729	0729	0310	0729	0729	0272	0729	0731	0731	0640	0730	0730	0731	0667	0731	0731	0709	0731	0731	0595	
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 3	0014 4	0014 5	0014 6	0014 7	0014 8	0014 9	0015 0	*** TOTALS**	
57.3 MG/L																										
Renal Tubule, Necrosis																									**1**	**2.0**
Renal Tubule, Pigmentation																									**1**	**3.0**
Transitional Epithelium, Hyperplasia																									**1**	**3.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Calculus Micro Observation Only	X																								**1**	
Edema																3									**1**	**3.0**
Hemorrhage	2																								**1**	**2.0**
Inflammation, Chronic	3																								**1**	**3.0**

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DAY ON TEST	072	072	072	064	073	073	073	062	073	073	073	073	073	059	073	057	073	073	072	072	072	073	060	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	
172 MG/L	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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema				3											2											
Erosion				3																						
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Erosion							2																			
Infiltration Cellular, Histiocyte	2	1	1		1	1	1	2			1	1			1	2	1	1	1	1	1	2		1	1	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Lymphoid Tissue, Hyperplasia	2					2											2	2								
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
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	X	X		X	X		X	X	
Eosinophilic Focus														X							X					
Fatty Change		2	4													3										
Hemorrhage			2																							

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FISCHER 344 RATS MALE

172 MG/L

males (cont...)

DAY ON TEST	0729	0729	0729	0645	0731	0731	0730	0629	0730	0731	0731	0731	0731	0595	0731	0570	0731	0731	0729	0729	0729	0734	0607	0734	0731
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
Hepatodiaphragmatic Nodule							X										X							X	
Infiltration Cellular, Histiocyte																	1								
Inflammation, Chronic	1				1	1	1	1	1			1	1						1		1	1		1	1
Mixed Cell Focus	X					X	X	X	X	X	X	X													
Necrosis				1																					
Bile Duct, Hyperplasia	1	1	1				1	1		2	1				3	2				2		1	3		
Centrilobular, Necrosis		1	2																						
Mesentery		+			+		+								+		+	+		+					
Accessory Spleen																									
Fat, Necrosis		2			4		3								4		2			3					
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	1				1	1	2	2		2	1	1		3	2				3	1		2			1
Cyst																		3				3			3
Acinus, Hyperplasia, Focal										2												4			3
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy						2																1			
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema		3	3					3																	
Erosion				1																					
Inflammation, Chronic Active																									
Ulcer			4					4																	
Epithelium, Hyperplasia		1	3					3			1														

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DAY ON TEST	0729	0729	0729	0645	0731	0731	0730	0629	0730	0731	0731	0731	0731	0595	0731	0570	0731	0731	0729	0729	0729	0734	0607	0734	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
172 MG/L																									**males (cont...)**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema			3																						
Erosion		2	2	3																					
Hyperplasia		1				1									1										
Ulcer																									
Epithelium, Glands, Dilatation																									
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic	1				1				1													1			
Epithelium, Hyperplasia												1									1				
Tooth																									
CARDIOVASCULAR SYSTEM																									
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	3	1	2	2	3	3	2	2	3	3	2	3	3	3	1		3	3	3	3	3	1	3	3	3
Thrombosis			4													3									
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Adrenal Cortical Nodule					3			3	3	3			3		3		3	3	3		3	3		3	
Angiectasis																		3							
Degeneration, Fatty			2						1													2			
Hypertrophy, Focal		1																				2			
Necrosis				3																					

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FISCHER 344 RATS MALE

172 MG/L

males (cont...)

DAY ON TEST	0729	0729	0729	0645	0731	0731	0730	0629	0730	0731	0731	0731	0731	0595	0731	0570	0731	0731	0729	0729	0729	0734	0607	0734	0731
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
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia		1			2											1				1			4		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia		3																							
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Angiectasis							3														2		2		
Pars Distalis, Cyst								4													3				
Pars Distalis, Cytoplasmic Alteration, Focal																									
Pars Distalis, Hyperplasia																									
Pars Distalis, Hyperplasia, Focal			2		2				2	1		3									2				
Pars Intermedia, Angiectasis																									
Pars Intermedia, Cyst																									
Pars Intermedia, Pars Nervosa, Metaplasia, Atypical							X																		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia		3	1						1		1	1			1		2		1				3		1

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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DAY ON TEST	0729	0729	0729	0645	0731	0731	0730	0629	0730	0731	0731	0731	0731	0595	0731	0570	0731	0731	0729	0729	0729	0734	0607	0734	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
172 MG/L																									**males (cont...)**
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic			3				2																		
Penis																									
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic	2	3	2							2		2	2				2		2						2
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic									1				2		2	2									
Epithelium, Hyperplasia	2					2							2					1				1		1	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic																									
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Germinal Epithelium, Atrophy		3																							
Interstitial Cell, Hyperplasia		2					2															2			
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia														3	2										
Myelofibrosis																									2
Lymph Node		+					+			+						+	+						+		
Mediastinal, Ectasia																									
Mediastinal, Hemorrhage																	2								

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

DAY ON TEST	072 9	072 9	072 9	064 5	073 1	073 1	073 0	062 9	073 0	073 1	073 1	073 1	073 1	059 5	073 1	057 0	073 1	073 1	072 9	072 9	072 9	073 4	060 7	073 4	073 1
FISCHER 344 RATS MALE ANIMAL ID	001 51	001 52	001 53	001 54	001 55	001 56	001 57	001 58	001 59	001 60	001 61	001 62	001 63	001 64	001 65	001 66	001 67	001 68	001 69	001 70	001 71	001 72	001 73	001 74	001 75
172 MG/L																									**males (cont...)**
Mediastinal, Hyperplasia, Lymphoid							3										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
Ectasia																									
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage			1				1								1									1	
Hyperplasia, Lymphoid								2																	
Infiltration Cellular, Histiocyte	1	2	2		2	2	2	2	3	2		2	2	2	2		3	2	2	2	2	2	2	2	2
Lymph Node, Pancreatic	+	+	+	+	M	+	M	M	+	+	M	+	+	+	+	+	M	M	M	+	M	M	+	+	+
Hemorrhage																									
Infiltration Cellular, Histiocyte	1	1										2				1				2					
Pigmentation																									
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Spleen																									
Fibrosis																									
Hematopoietic Cell Proliferation					2		1		2	2	2	2		2	2			2			1				
Hemorrhage																									
Necrosis																							3		
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+

INTEGUMENTARY SYSTEM

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

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DAY ON TEST	072	072	072	064	073	073	073	062	073	073	073	073	073	059	073	057	073	073	072	072	072	073	060	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
172 MG/L	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...)																									
Inflammation, Granulomatous																									
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis												4													
Cyst																									
Cyst Epithelial Inclusion			X															X							
Hyperkeratosis									2			3													
Epidermis, Hyperplasia									2																
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cranium, Osteopetrosis																									
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Compression						2		4					3												
Peripheral Nerve											+					+									
Spinal Cord											+					+									
RESPIRATORY SYSTEM																									
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	0729	0729	0729	0645	0731	0731	0730	0629	0730	0731	0731	0731	0731	0595	0731	0570	0731	0731	0729	0729	0729	0734	0607	0734	0731
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
172 MG/L	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
Hemorrhage					2			1															1	1	
Infiltration Cellular, Histiocyte	1		2	2	1	1	1				1		1	1	1		1	1		1			2		1
Inflammation, Suppurative																									
Inflammation, Chronic											1														
Metaplasia, Osseous																									
Thrombosis			1																						
Alveolar Epithelium, Hyperplasia					2			1					2		1	1	1				1				
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body		X		X			X		X								X			X	X			X	
Inflammation, Chronic		1					2		1	2		3		4						1	1				
Nasolacrimal Duct, Cyst			3																						
Respiratory Epithelium, Hyperplasia		1		2					1			2		3						1	1				
Respiratory Epithelium, Metaplasia, Squamous														3											
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cataract											3														
Retina, Degeneration											4											2			
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
URINARY SYSTEM																									

males (cont...)

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DAY ON TEST	072	072	072	064	073	073	073	062	073	073	073	073	073	059	073	057	073	073	072	072	072	073	060	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
172 MG/L	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
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst					3				3																
Infarct																									
Inflammation, Chronic													3						3						
Nephropathy	1	1	2	2	1	3	1	1		2	2	2	3	1	1	1	2	2	4	3	1	1		1	
Renal Tubule, Hyperplasia																	1								
Renal Tubule, Necrosis																2									
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

males (cont...)

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DAY ON TEST	0709	0731	0730	0730	0730	0721	0521	0730	0625	0730	0570	0734	0734	0692	0729	0549	0520	0730	0730	0730	0730	0730	0399	0731	0731	
FISCHER 344 RATS MALE ANIMAL ID **172 MG/L**	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**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	**48**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	**47**
Edema																										**2 2.5**
Erosion																										**1 3.0**
Intestine Large, Colon	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	**48**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	A	+	M	+	+	+	+	+	A	+	+	+	+	+	+	+	+	**46**
Erosion																										**1 2.0**
Infiltration Cellular, Histiocyte	1			1	1	1		1		2		1	1		1	1		1	1	1	1	1		1	1	**36 1.1**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	A	+	+	+	+	+	A	+	+	**45**
Lymphoid Tissue, Hyperplasia																				1		2			2	**7 1.9**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	A	+	+	+	+	+	A	+	+	**46**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Basophilic Focus	X	X		X	X			X		X		X	X		X			X	X	X	X	X		X	X	**32**
Clear Cell Focus	X	X		X				X		X		X		X	X			X	X		X	X		X	X	**29**
Eosinophilic Focus					X								X	X				X	X	X						**8**
Fatty Change						3			3		3					3				2						**8 2.9**
Hemorrhage								2												2					1	**4 1.8**

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

FISCHER 344 RATS MALE

172 MG/L

DAY ON TEST	0709	0731	0730	0730	0730	0721	0521	0730	0625	0730	0570	0734	0734	0692	0729	0549	0520	0730	0730	0730	0730	0730	0399	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
Hepatodiaphragmatic Nodule				X	X							X											X			**7**
Infiltration Cellular, Histiocyte						1												2		2		1				**5 1.4**
Inflammation, Chronic	1		3					1		1		1	1	1	1			1	1	1	1	1		1	1	**28 1.1**
Mixed Cell Focus		X			X								X							X				X		**13**
Necrosis																		1								**2 1.0**
Bile Duct, Hyperplasia		2		2		3	2	1	1		2					3				3				1		**22 1.8**
Centrilobular, Necrosis																										**2 1.5**
Mesentery				+		+					+		+		+				+				+			**14**
Accessory Spleen																							X			**1**
Fat, Necrosis				3		3					2		3		4				3							**12 3.0**
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy	1	3			2		1	2	1			1		3				1				2				**24 1.7**
Cyst		3	3			3				3			3											3		**9 3.0**
Acinus, Hyperplasia, Focal		3		2											2									1		**7 2.4**
Salivary Glands	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Atrophy				1														1								**4 1.3**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Edema																										**3 3.0**
Erosion																										**1 1.0**
Inflammation, Chronic Active																3										**1 3.0**
Ulcer																										**2 4.0**
Epithelium, Hyperplasia																3										**5 2.2**

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DAY ON TEST	0709	0731	0730	0730	0730	0721	0521	0730	0625	0730	0570	0734	0734	0692	0729	0549	0520	0730	0730	0730	0730	0730	0399	0731	0731	
FISCHER 344 RATS MALE 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**
172 MG/L																										
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Edema																										**1 3.0**
Erosion									1							2										**5 2.0**
Hyperplasia		1			2	1					1		1	1	1							1	1			**12 1.1**
Ulcer						2																				**1 2.0**
Epithelium, Glands, Dilatation												2														**1 2.0**
Tongue	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Inflammation, Chronic																				1			1			**6 1.0**
Epithelium, Hyperplasia																										**2 1.0**
Tooth	+																									**1**
CARDIOVASCULAR SYSTEM																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	3	3		2	2	1		3	3	3		2	2	3	3	2	2	3		2	3	3	2	3	3	**45 2.5**
Thrombosis																										**2 3.5**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accessory Adrenal Cortical Nodule				3									3	3						3		3				**17 3.0**
Angiectasis																										**1 3.0**
Degeneration, Fatty							1						2							1					1	**7 1.4**
Hypertrophy, Focal				1									2													**4 1.5**
Necrosis																										**1 3.0**

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FISCHER 344 RATS MALE 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**
172 MG/L																										
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia								1						1	1										2	**9 1.6**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																										**1 3.0**
Parathyroid Gland	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pars Distalis, Angiectasis											2						3									**5 2.4**
Pars Distalis, Cyst								3									3								3	**5 3.2**
Pars Distalis, Cytoplasmic Alteration, Focal						1									1											**2 1.0**
Pars Distalis, Hyperplasia														2												**1 2.0**
Pars Distalis, Hyperplasia, Focal		2		3			2	3			3					1	3								1	**14 2.1**
Pars Intermedia, Angiectasis				2																						**1 2.0**
Pars Intermedia, Cyst											3															**1 3.0**
Pars Intermedia, Pars Nervosa, Metaplasia, Atypical																										**1**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Hyperplasia								1									2					2			1	**14 1.5**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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FISCHER 344 RATS MALE 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**	
172 MG/L																											
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation, Chronic																											**2 2.5**
Penis											+															**1**	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation, Chronic		2		3				3	2			2			3				2		2						**17 2.2**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation, Chronic											3		2			1		4									**8 2.1**
Epithelium, Hyperplasia	1																										**7 1.4**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation, Chronic																		4									**1 4.0**
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Germinal Epithelium, Atrophy								3					2					3									**4 2.8**
Interstitial Cell, Hyperplasia								2																			**4 2.0**
HEMATOPOIETIC SYSTEM																											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia					3			2					2					4							3		**7 2.7**
Myelofibrosis																											**1 2.0**
Lymph Node						+			+				+					+					+			**11**	
Mediastinal, Ectasia													4														**1 4.0**
Mediastinal, Hemorrhage																											**1 2.0**

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2) Mild 4) Marked

DAY ON TEST	0709	0731	0730	0730	0730	0721	0521	0730	0625	0730	0570	0734	0734	0692	0729	0549	0520	0730	0730	0730	0730	0730	0399	0731	0731	
FISCHER 344 RATS MALE 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**
172 MG/L																										
Mediastinal, Hyperplasia, Lymphoid													3													**3 2.7**
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**
Ectasia				3																						**1 3.0**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage									1	1							2	1								**8 1.1**
Hyperplasia, Lymphoid																										**1 2.0**
Infiltration Cellular, Histiocyte	2	2	2	2	2	2		2		3		2	2		2			2	2	2	2			2	2	**39 2.1**
Lymph Node, Pancreatic	+	M	+	+	+	+	+	I	+	M	+	+	+	M	+	+	+	+	+	+	M	+	+	+	+	**36**
Hemorrhage					2															1						**2 1.5**
Infiltration Cellular, Histiocyte	3		1		1		2					3			2		4	3	2	3				3	2	**17 2.1**
Pigmentation																				2						**1 2.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accessory Spleen										X																**1**
Fibrosis			3																							**1 3.0**
Hematopoietic Cell Proliferation			3		2			2				1	1		1		2	3			1				1	**20 1.8**
Hemorrhage																							3			**1 3.0**
Necrosis																							3			**2 3.0**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia													4			1										**11 2.2**

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DAY ON TEST	0709	0731	0730	0730	0730	0721	0521	0730	0625	0730	0570	0734	0734	0692	0729	0549	0520	0730	0730	0730	0730	0730	0399	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		
172 MG/L	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	*** TOTALS**	
Inflammation, Granulomatous	3																									**1**	**3.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Angiectasis																										**1**	**4.0**
Cyst	4																									**1**	**4.0**
Cyst Epithelial Inclusion		X																								**3**	
Hyperkeratosis				2		3																				**4**	**2.5**
Epidermis, Hyperplasia																										**1**	**2.0**
MUSCULOSKELETAL SYSTEM																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cranium, Osteopetrosis					2																					**1**	**2.0**
NERVOUS SYSTEM																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Compression																										**3**	**3.0**
Peripheral Nerve																										**2**	
Spinal Cord																										**2**	
RESPIRATORY SYSTEM																											
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	

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DAY ON TEST	0709	0731	0730	0730	0730	0721	0521	0730	0625	0730	0570	0734	0734	0692	0729	0549	0520	0730	0730	0730	0730	0730	0399	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	
172 MG/L	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							2																	1		**6 1.3**
Infiltration Cellular, Histiocyte		1	1	1						1		1	1	1	1	1	1			2	1	1		1		**29 1.1**
Inflammation, Suppurative				1																						**1 1.0**
Inflammation, Chronic																										**1 1.0**
Metaplasia, Osseous																	1									**1 1.0**
Thrombosis																										**1 1.0**
Alveolar Epithelium, Hyperplasia																					3					**8 1.5**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body	X			X											X	X	X		X						X	**15**
Inflammation, Chronic	1			2							2		3			3	3		3						1	**16 2.1**
Nasolacrimal Duct, Cyst																	4									**2 3.5**
Respiratory Epithelium, Hyperplasia											2		3						3				1			**11 1.8**
Respiratory Epithelium, Metaplasia, Squamous																2	2									**3 2.3**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cataract																										**1 3.0**
Retina, Degeneration																										**2 3.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
URINARY SYSTEM																										

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FISCHER 344 RATS MALE

172 MG/L

DAY ON TEST	709	731	730	730	730	721	521	730	625	730	570	734	734	692	729	549	520	730	730	730	730	730	399	731	731	
ANIMAL ID	001 76	001 77	001 78	001 79	001 80	001 81	001 82	001 83	001 84	001 85	001 86	001 87	001 88	001 89	001 90	001 91	001 92	001 93	001 94	001 95	001 96	001 97	001 98	001 99	002 00	* TOTALS
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst															3						3					**4 3.0**
Infarct														2												**1 2.0**
Inflammation, Chronic																										**2 3.0**
Nephropathy	1	1		1	1	3		1		2	1	1	1	1	1	1		1	2	1	1	1	1	1	1	**43 1.5**
Renal Tubule, Hyperplasia																						1				**2 1.0**
Renal Tubule, Necrosis																										**1 2.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	0696	0734	0734	0729	0636	0729	0730	0609	0711	0729	0652	0673	0731	0587	0731	0731	0731	0686	0543	0734	0595	0729	0689	0731	0731	
FISCHER 344 RATS MALE ANIMAL ID	0020	0020	0020	0020	0020	0020	0020	0020	0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0022	0022	0022	0022	0022	0022	
516 MG/L	01	02	03	04	05	06	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	**males (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema								2																		
Ulcer								1																		
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Lymphocyte																										
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Histiocyte	3	2	2	1	2	2	2	2	3	1	1	1	2	1	1	1	2	3	1	1	1	2	1	1	1	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoid Tissue, Hyperplasia	1		2		2	2					2		2								2					
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	A	+	+	+	+	+	+	
Hyperplasia																					2					
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
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			X	
Degeneration, Cystic															1											
Eosinophilic Focus																X							X			

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FISCHER 344 RATS MALE

516 MG/L

males (cont...)

DAY ON TEST	0696	0734	0734	0729	0636	0729	0730	0609	0711	0729	0652	0673	0731	0587	0731	0731	0731	0686	0543	0734	0595	0729	0689	0731	0731
ANIMAL ID	0020 1	0020 2	0020 3	0020 4	0020 5	0020 6	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	0022 6
Fatty Change	2				2	2		4	2		2	3		4					2						
Hemorrhage		1								1															
Hepatodiaphragmatic Nodule			X		X	X				X	X				X							X	X		
Infiltration Cellular, Histiocyte	2	2	1		2		2	2	1	1	1	1	1	1	1		1	1	2		1	1	1	1	1
Inflammation, Chronic		2	1		1	1	2			1	2				2		1			1	1	1			1
Mixed Cell Focus					X		X				X						X	X				X			
Necrosis											1														
Syncytial Alteration					2																				
Bile Duct, Hyperplasia									1				2		1	2				1					1
Centrilobular, Necrosis	1								3										2						
Intima, Vein, Hyperplasia		2																							
Mesentery	+					+						+	+			+				+		+	+		
Accessory Spleen																									
Hemorrhage						3																			
Fat, Necrosis	3					3						3	3			3				2		3	3		
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	2	2	1	2			1	2	3	3	2				1	3		3		3	1			2	3
Cyst	3	3						3																	3
Acinus, Cytoplasmic Alteration	3				3			3																	
Acinus, Hyperplasia, Focal		3										2								2					
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy												2		3											
Necrosis					2			2																	

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FISCHER 344 RATS MALE

516 MG/L

males (cont...)

DAY ON TEST	0696	0734	0734	0729	0636	0729	0730	0609	0711	0729	0652	0673	0731	0587	0731	0731	0731	0686	0543	0734	0595	0729	0689	0731	0731
ANIMAL ID	0020 1	0020 2	0020 3	0020 4	0020 5	0020 6	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	0022 6
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema								2						2											
Erosion																									
Inflammation, Chronic Active												3													
Ulcer								3																	
Epithelium, Hyperplasia												3													
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																		X							
Erosion								1						1											
Hyperplasia				1											1								1	1	
Infiltration Cellular, Lymphocyte																									
Glands, Dilatation																									
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis																		2							
Hemorrhage																									
Hemorrhage, Chronic																								1	
Inflammation, Chronic		1																						1	
Epithelium, Hyperplasia										2															
Vein, Thrombosis																									
Tooth												+						+			+				
Malformation																					X				

CARDIOVASCULAR SYSTEM

Blood Vessel										+												+			
Dilatation																									

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FISCHER 344 RATS MALE ANIMAL ID	0020 1	0020 2	0020 3	0020 4	0020 5	0020 6	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	0022 6	**males (cont...)**
516 MG/L																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	1	1	3	2	1	2	2	1	1	2	3	1	1	1	2	2	1	2	2	3	1	1	3		3	
Inflammation, Chronic																										
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule				3																				3		
Degeneration, Fatty					2			2		1								1	1		3				1	
Hyperplasia, Focal																						1			1	
Hypertrophy, Focal								2													3					
Necrosis																										
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia		2					2	2										2				1	2	1		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia					2																					
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Angiectasis							4																			
Pars Distalis, Cyst											3													3		
Pars Distalis, Cytoplasmic Alteration, Focal															2											
Pars Distalis, Hyperplasia																										

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FISCHER 344 RATS MALE ANIMAL ID	0020 1	0020 2	0020 3	0020 4	0020 5	0020 6	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	0022 6
516 MG/L																									**males (cont...)**
Pars Distalis, Hyperplasia, Focal		2					3				1	3				3		2			2		1		
Pars Intermedia, Angiectasis																									
Pars Intermedia, Cyst																									
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ultimobranchial Cyst																							3		
C-cell, Hyperplasia												1						1							
Follicle, Cyst																				3					

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Coagulating Gland																						+			
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granuloma Sperm																									
Inflammation, Chronic										2	2														
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																									
Hyperplasia										2															
Inflammation, Chronic				2				2	2	3						2								2	
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic		2		2			1	1				2	2	2											

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FISCHER 344 RATS MALE ANIMAL ID	0020	0020	0020	0020	0020	0020	0020	0020	0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0022	0022	0022	0022	0022	0022	
516 MG/L	01	02	03	04	05	06	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	**males (cont...)**
Epithelium, Hyperplasia				1		1				1					1				1							
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Germinal Epithelium, Atrophy						3		4						1	4											
Interstitial Cell, Hyperplasia											2										2					
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia									2		3							3					4			
Myelofibrosis																						3				
Lymph Node												+									+			+		
Deep Cervical, Ectasia																					4					
Deep Cervical, Hyperplasia, Lymphoid																					2					
Mediastinal, Ectasia												3														
Mediastinal, Hemorrhage																										
Mediastinal, 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	
Ectasia						3																				
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage	1				1	1	2	1	2	2	1			1				1								
Infiltration Cellular, Histiocyte	3	3	2	3	2	2	3	2	3	3		2	3	2	2	2	2	2		2		1		1	2	

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2) Mild 4) Marked

FISCHER 344 RATS MALE

516 MG/L

males (cont...)

DAY ON TEST	0696	0734	0734	0729	0636	0729	0730	0609	0711	0729	0652	0673	0731	0587	0731	0731	0731	0686	0543	0734	0595	0729	0689	0731	0731
ANIMAL ID	0020 1	0020 2	0020 3	0020 4	0020 5	0020 6	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	0022 6
Lymph Node, Pancreatic	M	+	M	I	+	+	M	+	M	+	+	+	+	M	+	+	M	+	M	M	+	M	M	+	+
Hemorrhage								1																	
Hyperplasia, Lymphoid								2																	
Infiltration Cellular, Histiocyte		3			2	2		2			3	2			2			2			2			1	1
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation	2								2	1	3	2							2			1	3		2
Hemorrhage																									
Pigmentation	3							4						3											
Thymus	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+
Atrophy					3																				

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia		3	3					4	1					3											
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																									
Cyst Epithelial Inclusion	X			X						X															
Hyperkeratosis																									

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Femur, Osteopetrosis																								3	

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DAY ON TEST	069 6	073 4	073 4	072 9	063 6	072 9	073 0	060 9	071 1	072 9	065 2	067 3	073 1	058 7	073 1	073 1	073 1	068 6	054 3	073 4	059 5	072 9	068 9	073 1	073 1
FISCHER 344 RATS MALE ANIMAL ID	002 01	002 02	002 03	002 04	002 05	002 06	002 08	002 09	002 10	002 11	002 12	002 13	002 14	002 15	002 16	002 17	002 18	002 19	002 20	002 21	002 22	002 23	002 24	002 25	002 26
516 MG/L																									**males (cont...)**
Skeletal Muscle					+																				
Atrophy					1																				
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Compression								3						4											
Hydrocephalus														2											
Peripheral Nerve	+				+											+		+							
Spinal Cord	+				+											+		+							
RESPIRATORY SYSTEM																									
Larynx																						+			
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body																									
Hemorrhage	2		2			2			1													1	1		
Infiltration Cellular, Histiocyte	1			1		1	1	1			1	1	1	1	1	1		1	1	1		1	1	1	1
Inflammation, Suppurative									1																
Inflammation, Chronic																									
Metaplasia, Osseous																									
Alveolar Epithelium, Hyperplasia											1		1												

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DAY ON TEST	0696	0734	0734	0729	0636	0729	0730	0609	0711	0729	0652	0673	0731	0587	0731	0731	0731	0686	0543	0734	0595	0729	0689	0731	0731
FISCHER 344 RATS MALE ANIMAL ID	0020	0020	0020	0020	0020	0020	0020	0020	0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0022	0022	0022	0022	0022	0022
516 MG/L	01	02	03	04	05	06	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body	X																								
Inflammation, Chronic	3							1																	
Nasolacrimal Duct, Cyst																									
Respiratory Epithelium, Hyperplasia	2				1																				
Respiratory Epithelium, Metaplasia, Squamous		1																							
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

SPECIAL SENSES SYSTEM

Ear																						+			
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cataract	3															3									
Hemorrhage												3													
Inflammation, Chronic	3											3						3							
Cornea, Hyperplasia																									
Retina, Degeneration	4					2										4									
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pigmentation														4											
Lacrimal Gland																						+			

URINARY SYSTEM

males (cont...)

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DAY ON TEST	0696	0734	0734	0729	0636	0729	0730	0609	0711	0729	0652	0673	0731	0587	0731	0731	0731	0686	0543	0734	0595	0729	0689	0731	0731
FISCHER 344 RATS MALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	0026
516 MG/L																									**males (cont...)**
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																									
Hydronephrosis					3																				
Inflammation, Chronic										2															1
Nephropathy	1	2	1	2	2	1	2	3	1	2	1	2	3	3	2	1	1			1	1	1		2	2
Renal Tubule, Dilatation																									
Renal Tubule, Necrosis								3																	
Renal Tubule, Pigmentation																									
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Transitional Epithelium, Hyperplasia					2																				

DAY ON TEST	073	073	073	073	073	059	064	072	072	068	066	071	060	073	073	073	072	072	072	055	071	061	073	073		
FISCHER 344 RATS MALE 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		
516 MG/L	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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**	
Edema		2																								**2 2.0**
Ulcer																										**1 1.0**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**	
Infiltration Cellular, Lymphocyte													2													**1 2.0**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	**48**	
Infiltration Cellular, Histiocyte	2	1	1	1	1	2	1	1		1	1	1	2	1	1	2	1	2	1		1	1	2	2		**47 1.5**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	M	+	+	+	**47**	
Lymphoid Tissue, Hyperplasia													3				2		2							**10 2.0**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	**46**	
Hyperplasia																										**1 2.0**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Basophilic Focus	X			X	X			X	X				X	X	X	X	X		X				X	X		**30**
Clear Cell Focus	X			X	X			X	X					X		X	X	X	X				X			**25**
Degeneration, Cystic																					1					**2 1.0**
Eosinophilic Focus		X	X										X		X		X	X					X			**9**

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FISCHER 344 RATS MALE

516 MG/L

DAY ON TEST	073	073	073	073	073	059	064	072	072	068	066	071	060	073	073	073	072	072	072	055	071	061	073	073	
ANIMAL ID	002 27	002 28	002 29	002 30	002 31	002 32	002 33	002 34	002 35	002 36	002 37	002 38	002 39	002 40	002 41	002 42	002 43	002 44	002 45	002 46	002 47	002 48	002 49	002 50	* TOTALS
Fatty Change							2				3									2					12 2.5
Hemorrhage															2										3 1.3
Hepatodiaphragmatic Nodule													X								X				10
Infiltration Cellular, Histiocyte	1	3				2	1			2		2	2			1		3	1			1	1	2	34 1.4
Inflammation, Chronic	1			2	1	2		1	2				1	2	2	1	1		1				1		26 1.3
Mixed Cell Focus	X							X										X	X						10
Necrosis																									1 1.0
Syncytial Alteration																									1 2.0
Bile Duct, Hyperplasia			2				2			3	2		2			1			1		2	2			15 1.7
Centrilobular, Necrosis																				3		1			5 2.0
Intima, Vein, Hyperplasia																									1 2.0
Mesentery		+								+		+				+				+	+	+			15
Accessory Spleen										X															1
Hemorrhage																									1 3.0
Fat, Necrosis		2														4				3	4	3			13 3.0
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Atrophy	3		2	1		1	3			3	1	1				3		1	2		2	1	2	2	31 2.0
Cyst	3				3			3	3								3	3			3	3			12 3.0
Acinus, Cytoplasmic Alteration																									3 3.0
Acinus, Hyperplasia, Focal	1			1								2	1	3				2							9 1.9
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Atrophy																			1						3 2.0
Necrosis																									2 2.0

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DAY ON TEST	0731	0730	0730	0730	0731	0595	0640	0729	0729	0687	0667	0710	0605	0734	0734	0734	0729	0729	0729	0557	0710	0617	0734	0734	
FISCHER 344 RATS MALE ANIMAL ID	0022 7	0022 8	0022 9	0023 0	0023 1	0023 2	0023 3	0023 4	0023 5	0023 6	0023 7	0023 8	0023 9	0024 0	0024 1	0024 2	0024 3	0024 4	0024 5	0024 6	0024 7	0024 8	0024 9	0025 0	*** TOTALS**
516 MG/L																									
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Edema										2															**3 2.0**
Erosion										1															**1 1.0**
Inflammation, Chronic Active																									**1 3.0**
Ulcer																									**1 3.0**
Epithelium, Hyperplasia																									**1 3.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Cyst																									**1**
Erosion																									**2 1.0**
Hyperplasia			1				2		1		1			1		1	1					1			**12 1.1**
Infiltration Cellular, Lymphocyte													2												**1 2.0**
Glands, Dilatation																								2	**1 2.0**
Tongue	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Fibrosis																									**1 2.0**
Hemorrhage		1																							**1 1.0**
Hemorrhage, Chronic																									**1 1.0**
Inflammation, Chronic									1																**3 1.0**
Epithelium, Hyperplasia																									**1 2.0**
Vein, Thrombosis																				3					**1 3.0**
Tooth						+																			**4**
Malformation																									**1**

CARDIOVASCULAR SYSTEM

Blood Vessel													+												**3**
Dilatation													3												**1 3.0**

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FISCHER 344 RATS MALE ANIMAL ID	0022 7	0022 8	0022 9	0023 0	0023 1	0023 2	0023 3	0023 4	0023 5	0023 6	0023 7	0023 8	0023 9	0024 0	0024 1	0024 2	0024 3	0024 4	0024 5	0024 6	0024 7	0024 8	0024 9	0025 0		*** TOTALS**
516 MG/L																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Cardiomyopathy	3		2	2	2	1	3	3	1	1	2	1		1	2	3	2	1	3	2	1		3	1		**45 1.8**
Inflammation, Chronic														2												**1 2.0**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Accessory Adrenal Cortical Nodule	3												3		3			3					3	3		**8 3.0**
Degeneration, Fatty		1												2		1						2				**11 1.5**
Hyperplasia, Focal																								1		**3 1.0**
Hypertrophy, Focal											1											2				**4 2.0**
Necrosis							3																			**1 3.0**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Hyperplasia			2		1					1		2	1								2	1				**14 1.6**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Hyperplasia																										**1 2.0**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	**48**	
Hyperplasia									2																	**1 2.0**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Pars Distalis, Angiectasis				2													3									**3 3.0**
Pars Distalis, Cyst												3							3				3			**5 3.0**
Pars Distalis, Cytoplasmic Alteration, Focal																2										**2 2.0**
Pars Distalis, Hyperplasia														3												**1 3.0**

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DAY ON TEST	0731	0730	0730	0730	0731	0595	0640	0729	0729	0687	0667	0710	0605	0734	0734	0734	0729	0729	0729	0557	0710	0617	0734	0734		
FISCHER 344 RATS MALE ANIMAL ID	0022 7	0022 8	0022 9	0023 0	0023 1	0023 2	0023 3	0023 4	0023 5	0023 6	0023 7	0023 8	0023 9	0024 0	0024 1	0024 2	0024 3	0024 4	0024 5	0024 6	0024 7	0024 8	0024 9	0025 0		*** TOTALS**
516 MG/L																										
Pars Distalis, Hyperplasia, Focal													2				3		1							**11 2.1**
Pars Intermedia, Angiectasis																2								2		**2 2.0**
Pars Intermedia, Cyst																3										**1 3.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Ultimobranchial Cyst																				3						**2 3.0**
C-cell, Hyperplasia															1		2							1		**5 1.2**
Follicle, Cyst	4																									**2 3.5**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Coagulating Gland																									**1**	
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Granuloma Sperm						3																				**1 3.0**
Inflammation, Chronic																										**2 2.0**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Cyst																					3					**1 3.0**
Hyperplasia																										**1 2.0**
Inflammation, Chronic	2	3	2		2				2				2		3		3		2				2			**16 2.3**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Inflammation, Chronic	2						4	3			2				2					3	2					**14 2.1**

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FISCHER 344 RATS MALE ANIMAL ID	0022 7	0022 8	0022 9	0023 0	0023 1	0023 2	0023 3	0023 4	0023 5	0023 6	0023 7	0023 8	0023 9	0024 0	0024 1	0024 2	0024 3	0024 4	0024 5	0024 6	0024 7	0024 8	0024 9	0025 0		*** TOTALS**
516 MG/L																										
Epithelium, Hyperplasia												2		1									1			**8 1.1**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Germinal Epithelium, Atrophy							2	3							2			4								**8 2.9**
Interstitial Cell, Hyperplasia							1											2								**4 1.8**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Hyperplasia												4											2			**6 3.0**
Myelofibrosis																				3						**2 3.0**
Lymph Node						+	+				+	+		+								+			**9**	
Deep Cervical, Ectasia						3																				**2 3.5**
Deep Cervical, Hyperplasia, Lymphoid						2																				**2 2.0**
Mediastinal, Ectasia																										**1 3.0**
Mediastinal, Hemorrhage														1												**1 1.0**
Mediastinal, Hyperplasia, Lymphoid														2												**2 2.5**
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**	
Ectasia					2																					**2 2.5**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Hemorrhage	1							1		2		1					1						1	2		**17 1.3**
Infiltration Cellular, Histiocyte	2	3	2	2	1	2		3		2		2	2	1	1	2	2	2	2		3	2	2	2		**41 2.1**

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

DAY ON TEST	073	073	073	073	073	059	064	072	072	068	066	071	060	073	073	073	072	072	072	055	071	061	073	073	
	1	0	0	0	1	5	0	9	9	7	7	0	5	4	4	4	9	9	9	7	0	7	4	4	
FISCHER 344 RATS MALE																									
ANIMAL ID	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	
516 MG/L	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**
Lymph Node, Pancreatic	M	+	+	+	M	+	+	+	+	+	M	+	+	M	+	+	+	+	I	+	+	+	+	+	**33**
Hemorrhage																									**1 1.0**
Hyperplasia, Lymphoid																									**1 2.0**
Infiltration Cellular, Histiocyte		3	2	2		2	2	2	3	3		3	2			1						2	2	2	**25 2.1**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Hematopoietic Cell Proliferation	1	3			1			2	2			3		2											**16 2.0**
Hemorrhage											2														**1 2.0**
Pigmentation																									**3 3.3**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**47**
Atrophy																									**1 3.0**
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Hyperplasia				3			4	1		3	1				4					2	2		2		**14 2.6**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Angiectasis												4													**1 4.0**
Cyst Epithelial Inclusion							X	X			X														**6**
Hyperkeratosis													2												**1 2.0**
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Femur, Osteopetrosis																									**1 3.0**

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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

DAY ON TEST	073	073	073	073	073	059	064	072	072	068	066	071	060	073	073	073	072	072	072	055	071	061	073	073		
FISCHER 344 RATS MALE 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		
516 MG/L	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**
Skeletal Muscle																									**1**	
Atrophy																										**1 1.0**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Compression															3											**3 3.3**
Hydrocephalus																										**1 2.0**
Peripheral Nerve																								+	**5**	
Spinal Cord																								+	**5**	
RESPIRATORY SYSTEM																										
Larynx																									**1**	
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Foreign Body													X													**1**
Hemorrhage					1																			1		**8 1.4**
Infiltration Cellular, Histiocyte		1	1		1	1			1	3	1	1		1	1	1		1	1				1	1		**33 1.1**
Inflammation, Suppurative																										**1 1.0**
Inflammation, Chronic													3													**1 3.0**
Metaplasia, Osseous									1																	**1 1.0**
Alveolar Epithelium, Hyperplasia																						2	1	2		**5 1.4**

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DAY ON TEST	0731	0730	0730	0730	0731	0595	0640	0729	0729	0687	0667	0710	0605	0734	0734	0734	0729	0729	0729	0557	0710	0617	0734	0734	
FISCHER 344 RATS MALE ANIMAL ID	0022 7	0022 8	0022 9	0023 0	0023 1	0023 2	0023 3	0023 4	0023 5	0023 6	0023 7	0023 8	0023 9	0024 0	0024 1	0024 2	0024 3	0024 4	0024 5	0024 6	0024 7	0024 8	0024 9	0025 0	*** TOTALS**
516 MG/L																									
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Foreign Body																									**1**
Inflammation, Chronic							2		1	1	1						1								**7 1.4**
Nasolacrimal Duct, Cyst																								3	**1 3.0**
Respiratory Epithelium, Hyperplasia							2				1														**4 1.5**
Respiratory Epithelium, Metaplasia, Squamous																									**1 1.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**

SPECIAL SENSES SYSTEM

Ear																									**1**
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Cataract																								3	**3 3.0**
Hemorrhage																									**1 3.0**
Inflammation, Chronic																									**3 3.0**
Cornea, Hyperplasia																								2	**1 2.0**
Retina, Degeneration																								4	**4 3.5**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Pigmentation																									**1 4.0**
Lacrimal Gland																									**1**

URINARY SYSTEM

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DAY ON TEST	0731	0730	0730	0730	0731	0595	0640	0729	0729	0687	0667	0710	0605	0734	0734	0734	0729	0729	0729	0557	0710	0617	0734	0734	
FISCHER 344 RATS MALE ANIMAL ID	0022 7	0022 8	0022 9	0023 0	0023 1	0023 2	0023 3	0023 4	0023 5	0023 6	0023 7	0023 8	0023 9	0024 0	0024 1	0024 2	0024 3	0024 4	0024 5	0024 6	0024 7	0024 8	0024 9	0025 0	*** TOTALS**
516 MG/L																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Cyst																3									**1 3.0**
Hydronephrosis																									**1 3.0**
Inflammation, Chronic																									**2 1.5**
Nephropathy	2	1	1	2	2	1	1	3	2	1	3		1	2			1	1	2		1		2	1	**41 1.6**
Renal Tubule, Dilatation							2																		**1 2.0**
Renal Tubule, Necrosis																									**1 3.0**
Renal Tubule, Pigmentation										2											4	2			**3 2.7**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Transitional Epithelium, Hyperplasia																									**1 2.0**

*** END OF MALE DATA ***

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DAY ON TEST	070	070	073	073	068	073	073	073	048	073	058	073	073	068	073	061	061	073	073	073	073	065	073	070	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/L	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	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	A	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema								2																2		
Intestine Large, Colon	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	M	+	+	+	+	+	+	+	+	+	
Lymphoid Tissue, Hyperplasia							2	2				2	2		2		2		2						2	
Intestine Small, Jejunum	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis		2																								
Basophilic Focus	X	X	X			X	X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
Clear Cell Focus															X			X					X			
Eosinophilic Focus		X											X	X												
Fatty Change				4																						
Hematopoietic Cell Proliferation																						1				
Hepatodiaphragmatic Nodule								X							X							X				
Infiltration Cellular, Histiocyte																										

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FISCHER 344 RATS FEMALE

0 MG/L

females (cont...)

DAY ON TEST	070	070	073	073	068	073	073	073	048	073	058	073	073	068	073	061	061	073	073	073	073	065	073	070	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	002
	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
Inflammation, Chronic		1	1					1							1						1				
Mixed Cell Focus		X											X		X					X	X			X	X
Necrosis	1																	1							
Bile Duct, Hyperplasia																	2			2					
Centrilobular, Necrosis				2	2																	3		1	
Kupffer Cell, Pigmentation					2																				
Mesentery						+							+		+		+						+		
Fat, Necrosis						2							3		3		3						3		
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																				1					2
Cyst																3									
Acinus, Hyperplasia, Focal										1															
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy								1							1				1	3	1	1			
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema																									
Ulcer				4																					
Epithelium, Hyperplasia																									
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Erosion	2			3																					
Hyperplasia																1				1					
Ulcer																						2			

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DAY ON TEST	070	070	073	073	068	073	073	073	048	073	058	073	073	068	073	061	061	073	073	073	073	065	073	070	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/L	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...)																									
Tongue	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic		1						1					1	1					1		1				
Epithelium, Hyperplasia																									
CARDIOVASCULAR SYSTEM																									
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy		3		3		2	1			2	1			2	1			2		1	2		1	1	1
Thrombosis				3																					
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Adrenal Cortical Nodule		3							3			3					3				3				
Angiectasis																						4			
Degeneration, Fatty		1		2										2								3		1	4
Hyperplasia, Focal											2														
Hypertrophy																									
Hypertrophy, Focal								1															1		
Necrosis				1	2																				
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia		1																							
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	070	070	073	073	068	073	073	073	048	073	058	073	073	068	073	061	061	073	073	073	073	065	073	070	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/L	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
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Angiectasis				4											1		3	4	2	4					4
Pars Distalis, Cyst				3		3					3	3			3		3			3			3	3	
Pars Distalis, Hyperplasia, Focal			2			2				3		2							2						
Pars Intermedia, Angiectasis																									
Pars Intermedia, Cyst																								3	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia		2			1		1	1		1				1	2		2	2	2	3	1	1	1	2	

females (cont...)

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst										3												3			
Hyperplasia								2					1												
Inflammation, Chronic								2																	
Ovary	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst		3										3						3	3						
Uterus	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Cystic													1							4					

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DAY ON TEST	070	070	073	073	068	073	073	073	048	073	058	073	073	068	073	061	061	073	073	073	073	065	073	070	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/L	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...)**
Vagina					+						+							+				+				
Angiectasis																										
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia	3															3		3				3				
Infiltration Cellular, Histiocyte														4												
Lymph Node		+	+	+	+				+															+		
Hemorrhage																										
Deep Cervical, Hemorrhage									2																	
Mediastinal, Hemorrhage		4	1																							
Mediastinal, Hyperplasia, Lymphoid			2																					2		
Mediastinal, Pigmentation		4																								
Lymph Node, Mandibular	M	M	M	M	M	+	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage					1		1																			
Infiltration Cellular, Histiocyte	2		2		2					2			1	2	3			1			1					
Lymph Node, Pancreatic	M	M	+	M	+	+	M	M	+	+	M	M	+	M	+	M	+	+	M	M	+	+	+	+	+	
Hemorrhage			2												3											
Infiltration Cellular, Histiocyte			3							1			1		2			2			2		2	2		
Pigmentation			3												3											

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DAY ON TEST	070	070	073	073	068	073	073	073	048	073	058	073	073	068	073	061	061	073	073	073	073	065	073	070	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/L	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
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation	4	3	1			2	2	2		2	2	2	2		1	4		2			2	4	2		
Pigmentation		3	3						3	3		3	3						3		3		3		3
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia	2	4	4	3	3	1	3	4	3	3	2	4	4	4	4	4	3	3	3	3	3	4	4	3	4
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst Epithelial Inclusion																									
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Compression	4	3							2				4												3
Hemorrhage									2																

females (cont...)

RESPIRATORY SYSTEM

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DAY ON TEST	070	070	073	073	068	073	073	073	048	073	058	073	073	068	073	061	061	073	073	073	073	065	073	070	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/L	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...)																									
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage																									2
Infiltration Cellular, Histiocyte	1	1	2	3	1	1	1	2		1	1	1	1	1	1	1	1	2	1	1	2	1		1	1
Inflammation, Chronic															1										
Alveolar Epithelium, Hyperplasia			1							1		3		1	1					1		3	1		3
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body																									
Inflammation, Chronic																			1						
Respiratory Epithelium, Hyperplasia																			1						
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cataract																									
Retina, Degeneration					2																		2		
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lacrimal Gland																									
Zymbal's Gland																									

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DAY ON TEST	070	070	073	073	068	073	073	073	048	073	058	073	073	068	073	061	061	073	073	073	073	065	073	070	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/L	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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infarct																2								4		
Inflammation, Chronic																2										
Nephropathy	1		1			1	1			1	1	1	1			1			1	1		1	1		1	
Renal Tubule, Accumulation, Hyaline Droplet													3					2		3		4	3			
Renal Tubule, Necrosis	4				3																			2		
Renal Tubule, Pigmentation													2													
Transitional Epithelium, Hyperplasia																2								2		
Urinary Bladder	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	0575	0631	0737	0737	0737	0736	0736	0524	0736	0736	0737	0737	0737	0737	0595	0721	0737	0737	0618	0737	0735	0623	0735	0735	0735		
FISCHER 344 RATS FEMALE ANIMAL ID	0027 6	0027 7	0027 8	0027 9	0028 0	0028 1	0028 2	0028 3	0028 4	0028 5	0028 6	0028 7	0028 8	0028 9	0029 0	0029 1	0029 2	0029 3	0029 4	0029 5	0029 6	0029 7	0029 8	0029 9	0030 0	*** TOTALS**	
0 MG/L																											
ALIMENTARY SYSTEM																											
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Intestine Large, Cecum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**46**	
Edema																											**2 2.0**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	**48**	
Intestine Small, Duodenum	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**46**	
Intestine Small, Ileum	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**45**	
Lymphoid Tissue, Hyperplasia				1	1	2	2	2		1		2										2					**16 1.8**
Intestine Small, Jejunum	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**46**	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Angiectasis																											**1 2.0**
Basophilic Focus	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X		**45**
Clear Cell Focus									X	X			X	X													**7**
Eosinophilic Focus							X																X				**5**
Fatty Change	3																		3								**3 3.3**
Hematopoietic Cell Proliferation																											**1 1.0**
Hepatodiaphragmatic Nodule											X										X						**5**
Infiltration Cellular, Histiocyte																					1						**1 1.0**

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FISCHER 344 RATS FEMALE

0 MG/L

DAY ON TEST	0575	0631	0737	0737	0737	0736	0736	0524	0736	0736	0737	0737	0737	0737	0595	0721	0737	0737	0618	0737	0735	0623	0735	0735	0735		
ANIMAL ID	0027 6	0027 7	0027 8	0027 9	0028 0	0028 1	0028 2	0028 3	0028 4	0028 5	0028 6	0028 7	0028 8	0028 9	0029 0	0029 1	0029 2	0029 3	0029 4	0029 5	0029 6	0029 7	0029 8	0029 9	0030 0	* TOTALS	
Inflammation, Chronic			1							3		1	1				1			1		2				**12**	**1.3**
Mixed Cell Focus				X													X									**9**	
Necrosis	2						1				1															**5**	**1.2**
Bile Duct, Hyperplasia																										**2**	**2.0**
Centrilobular, Necrosis																										**4**	**2.0**
Kupffer Cell, Pigmentation																										**1**	**2.0**
Mesentery	+						+									+		+				+			+	**11**	
Fat, Necrosis	2						2									3		2				3			2		**11** **2.5**
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Atrophy														2		2				1			2				**6** **1.7**
Cyst																					3						**2** **3.0**
Acinus, Hyperplasia, Focal																											**1** **1.0**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Atrophy										1										2		1					**9** **1.3**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Edema	3																										**1** **3.0**
Ulcer	3																										**2** **3.5**
Epithelium, Hyperplasia	3																		2								**2** **2.5**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Erosion																											**2** **2.5**
Hyperplasia											1									1							**4** **1.0**
Ulcer																											**1** **2.0**

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DAY ON TEST	0575	0631	0737	0737	0737	0736	0736	0524	0736	0736	0737	0737	0737	0737	0595	0721	0737	0737	0618	0737	0735	0623	0735	0735	0735	
FISCHER 344 RATS FEMALE ANIMAL ID	0027 6	0027 7	0027 8	0027 9	0028 0	0028 1	0028 2	0028 3	0028 4	0028 5	0028 6	0028 7	0028 8	0028 9	0029 0	0029 1	0029 2	0029 3	0029 4	0029 5	0029 6	0029 7	0029 8	0029 9	0030 0	*** TOTALS**
0 MG/L																										
Tongue	+	M	+	+	+	+	+	+	+	I	+	+	+	I	+	+	+	+	+	+	+	+	+	I	+	**45**
Inflammation, Chronic							1								1											**8 1.0**
Epithelium, Hyperplasia			2																							**1 2.0**
CARDIOVASCULAR SYSTEM																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy			2	2	1	2				2	3	1	2							3	1		1	2	1	**27 1.7**
Thrombosis																										**1 3.0**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accessory Adrenal Cortical Nodule																		3								**6 3.0**
Angiectasis																										**1 4.0**
Degeneration, Fatty			2		3		1									1			2		3					**12 2.1**
Hyperplasia, Focal														2												**2 2.0**
Hypertrophy											2															**1 2.0**
Hypertrophy, Focal					3							1														**4 1.5**
Necrosis	4																									**3 2.3**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Hyperplasia																					1					**2 1.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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FISCHER 344 RATS FEMALE ANIMAL ID	0027 6	0027 7	0027 8	0027 9	0028 0	0028 1	0028 2	0028 3	0028 4	0028 5	0028 6	0028 7	0028 8	0028 9	0029 0	0029 1	0029 2	0029 3	0029 4	0029 5	0029 6	0029 7	0029 8	0029 9	0030 0	*** TOTALS**	
0 MG/L																											
Parathyroid Gland	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	**46**	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Pars Distalis, Angiectasis				2	4											4									2		**11 3.1**
Pars Distalis, Cyst						3	3			3			3			3				3	3			3	3		**18 3.0**
Pars Distalis, Hyperplasia, Focal						3						3												2	3		**9 2.4**
Pars Intermedia, Angiectasis														2													**1 2.0**
Pars Intermedia, Cyst																											**1 3.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
C-cell, Hyperplasia			2	1	1			2	2	1			3	1	2		2			2			3	1			**28 1.6**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cyst																											**2 3.0**
Hyperplasia						2							2														**4 1.8**
Inflammation, Chronic						3												2									**3 2.3**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Cyst									3							3	3				3	3					**9 3.0**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Hyperplasia, Cystic							3			3					2												**5 2.6**

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FISCHER 344 RATS FEMALE ANIMAL ID	0027	0027	0027	0027	0028	0028	0028	0028	0028	0028	0028	0028	0028	0028	0029	0029	0029	0029	0029	0029	0029	0029	0029	0029	0030		
0 MG/L	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**	
Vagina	+														+				+			+				**8**	
Angiectasis	3																										**1 3.0**
HEMATOPOIETIC SYSTEM																											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia								3								3											**6 3.0**
Infiltration Cellular, Histiocyte																											**1 4.0**
Lymph Node																			+			+				**8**	
Hemorrhage																						2					**1 2.0**
Deep Cervical, Hemorrhage																											**1 2.0**
Mediastinal, Hemorrhage																						3					**3 2.7**
Mediastinal, Hyperplasia, Lymphoid																											**2 2.0**
Mediastinal, Pigmentation																											**1 4.0**
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	**4**	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hemorrhage		2			1					1			1			1	1	1		1			1				**11 1.1**
Infiltration Cellular, Histiocyte			1				2	1						1	2		2	2		2	2	2	1		1		**21 1.7**
Lymph Node, Pancreatic	+	+	+	M	M	+	M	M	M	+	+	+	M	+	+	+	M	+	+	M	M	+	+	M	+	**29**	
Hemorrhage																						2					**3 2.3**
Infiltration Cellular, Histiocyte						2				3	2	2		2	2	2						2	2				**17 2.0**
Pigmentation																											**2 3.0**

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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		
0 MG/L	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	3		2	2	2	2	2	3	2	2	1	3		3		2	2	2	2	2	2	**36**	**2.2**
Pigmentation		3	3		3				3	3	3	3	3	3	4		3			2	3	3		3	2	**26**	**3.0**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
INTEGUMENTARY SYSTEM																											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia		2	2	2	4	3	4		4	2	3	2	3	4	4	4	4		3	3	4	3	4	4	2	**47**	**3.2**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cyst Epithelial Inclusion															X											**1**	
MUSCULOSKELETAL SYSTEM																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
NERVOUS SYSTEM																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Compression			2												4	3										**8**	**3.1**
Hemorrhage																										**1**	**2.0**
RESPIRATORY SYSTEM																											

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FISCHER 344 RATS FEMALE ANIMAL ID	0027 6	0027 7	0027 8	0027 9	0028 0	0028 1	0028 2	0028 3	0028 4	0028 5	0028 6	0028 7	0028 8	0028 9	0029 0	0029 1	0029 2	0029 3	0029 4	0029 5	0029 6	0029 7	0029 8	0029 9	0030 0	*** TOTALS**
0 MG/L																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage																									1	**2 1.5**
Infiltration Cellular, Histiocyte			1	1	2	1	1	2	2	2	2	2	2	2	1	1	1	1		1	2	2	1	2	1	**45 1.4**
Inflammation, Chronic																		2								**2 1.5**
Alveolar Epithelium, Hyperplasia										1			2													**11 1.6**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body														X				X				X				**3**
Inflammation, Chronic														1								2				**3 1.3**
Respiratory Epithelium, Hyperplasia																										**1 1.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cataract															3			3								**2 3.0**
Retina, Degeneration															4			3								**4 2.8**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Lacrimal Gland																		+								**1**
Zymbal's Gland																	+									**1**

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

DAY ON TEST	075	063	073	073	073	073	073	052	073	073	073	073	073	073	059	072	073	073	061	073	073	062	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	003	
0 MG/L	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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infarct							3																			**3 3.0**
Inflammation, Chronic							2																			**2 2.0**
Nephropathy			1	1	1	1	2		1			1	1	1	1	1	2	1	1	1		1	1	1	1	**33 1.1**
Renal Tubule, Accumulation, Hyaline Droplet										3					3											**7 3.0**
Renal Tubule, Necrosis																										**3 3.0**
Renal Tubule, Pigmentation										2																**2 2.0**
Transitional Epithelium, Hyperplasia							3																			**3 2.3**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**

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2) Mild 4) Marked

DAY ON TEST	073	065	068	073	061	073	063	060	064	073	046	071	073	073	073	073	073	073	071	056	073	073	073	067	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	
14.3 MG/L	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...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	
Edema																										
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	
Lymphoid Tissue, Hyperplasia				2	2								2				1			2		2				
Intestine Small, Jejunum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																2					2					
Basophilic Focus	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																
Eosinophilic Focus					X									X		X					X		X			
Fatty Change			4				4	4				4							3							
Hematopoietic Cell Proliferation				1																				2		
Hemorrhage									3																	
Hepatodiaphragmatic Nodule																										

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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

14.3 MG/L

females (cont...)

DAY ON TEST	0734	0657	0689	0734	0618	0737	0632	0605	0646	0737	0461	0710	0735	0735	0735	0736	0736	0736	0718	0560	0735	0735	0732	0667	0735
ANIMAL ID	0030 1	0030 2	0030 3	0030 4	0030 5	0030 6	0030 7	0030 8	0030 9	0031 0	0031 1	0031 2	0031 3	0031 4	0031 5	0031 6	0031 7	0031 8	0031 9	0032 0	0032 1	0032 2	0032 3	0032 4	0032 5
Infiltration Cellular, Histiocyte		1												1				1							
Inflammation, Chronic		1		2		1				1			1		1	1	1			1	1	1			
Mixed Cell Focus	X									X											X				
Necrosis	1					1	2												1						
Regeneration																			X						
Centrilobular, Necrosis			1						3																
Kupffer Cell, Pigmentation																			2						
Mesentery			+	+							+											+			
Accessory Spleen																									
Fat, Necrosis			3	3							4											3			
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy			3							4							1				1		2		
Cyst										3				3											
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	1													1								1			
Fibrosis								1																	
Vacuolization Cytoplasmic												2													
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema																							2		
Ulcer							3																		
Epithelium, Hyperplasia							2																		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	0734	0657	0689	0734	0618	0737	0632	0605	0646	0737	0461	0710	0735	0735	0735	0736	0736	0736	0718	0560	0735	0735	0732	0667	0735
FISCHER 344 RATS FEMALE ANIMAL ID	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0031	0031	0031	0031	0031	0031	0031	0031	0031	0032	0032	0032	0032	0032	0032
14.3 MG/L	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
Erosion			2									3							3						
Hyperplasia						1						1		1									1		
Ulcer																									
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+
Hemorrhage																	1								
Inflammation, Chronic																						1			
Epithelium, Hyperplasia																4									
Tooth																									

females (cont...)

CARDIOVASCULAR SYSTEM

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

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Adrenal Cortical Nodule				3	3											3					3	3			
Angiectasis									3																
Degeneration, Fatty				1	2			3				4	1		1	3		3				2			
Hyperplasia, Focal													1			3		2							2
Hypertrophy, Focal				1		1																			

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DAY ON TEST	0734	0657	0689	0734	0618	0737	0632	0605	0646	0737	0461	0710	0735	0735	0735	0736	0736	0736	0718	0560	0735	0735	0732	0667	0735
FISCHER 344 RATS FEMALE ANIMAL ID	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0031	0031	0031	0031	0031	0031	0031	0031	0031	0032	0032	0032	0032	0032	0032
14.3 MG/L	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
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia									3															2	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	M	+	+	+	+	+
Hyperplasia																									
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Angiectasis	3								2													2			
Pars Distalis, Cyst			3					3	3	3			3			3								3	3
Pars Distalis, Hyperplasia, Focal	3											1									2	2			
Pars Intermedia, Angiectasis																		3							
Pars Intermedia, Cyst									3															3	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia			2	1	1	2		1		1			1		2	3	1	3			2	2	3		1
Follicle, Cyst											3														

females (cont...)

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																									
Inflammation, Chronic								3																	

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DAY ON TEST	0734	0657	0689	0734	0618	0737	0632	0605	0646	0737	0461	0710	0735	0735	0735	0736	0736	0736	0718	0560	0735	0735	0732	0667	0735	
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	
14.3 MG/L																										**females (cont...)**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis									3																	
Cyst															3				3		3	3				
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Dilatation																										
Hemorrhage																		4								
Hyperplasia, Cystic	1											2											2			
Vagina		+	+				+		+			+	+						+							
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia				4							2									2						
Myelofibrosis																										
Lymph Node		+		+		+						+				+			+							
Mediastinal, Ectasia												3														
Mediastinal, Hemorrhage				3		3																				
Mediastinal, Hyperplasia, Lymphoid		2		2		3																				
Mediastinal, Pigmentation		2				2										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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage	1			1					3	1	1	2			1			1					1			

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DAY ON TEST	0734	0657	0689	0734	0618	0737	0632	0605	0646	0737	0461	0710	0735	0735	0735	0736	0736	0736	0718	0560	0735	0735	0732	0667	0735
FISCHER 344 RATS FEMALE ANIMAL ID	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030
14.3 MG/L	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...)																									
Infiltration Cellular, Histiocyte		2								2							2	1			2	1		1	
Lymph Node, Pancreatic	+	+	+	+	+	+	+	+	+	M	M	+	+	M	+	+	M	M	+	+	M	+	M	+	M
Infiltration Cellular, Histiocyte	1	3		1		3	2	4				1	2			1				1				1	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis								3																	
Hematopoietic Cell Proliferation				3	1	2			3	2	2				1	3	2			2	2	2		3	2
Necrosis								3																	
Pigmentation		3			3	2			3	3			2		3	3	3				2	2	3		2
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia	3	3	4	3	4	1	3	3	2	2	3	4	2	3	2	3	3	4	3	2	2	3	4	4	3
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema																									
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
NERVOUS SYSTEM																									

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DAY ON TEST	073	065	068	073	061	073	063	060	064	073	046	071	073	073	073	073	073	073	071	056	073	073	073	067	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
14.3 MG/L	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...)																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Compression		4		3	4									4	3	3							3		
Hemorrhage							1	2																	
Peripheral Nerve																									
Spinal Cord																									
RESPIRATORY SYSTEM																									
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage																							1		
Infiltration Cellular, Histiocyte	2	1	1	1	1	1	2	1	3	2	2	1	1	1	2	2	1	1	1	1	1	2	1	2	2
Inflammation, Chronic																									
Alveolar Epithelium, Hyperplasia																				2	1				
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body		X																							
Inflammation, Chronic		2																							
Nasolacrimal Duct, Cyst																									
Respiratory Epithelium, Hyperplasia																									
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	0734	0657	0689	0734	0618	0737	0632	0605	0646	0737	0461	0710	0735	0735	0735	0736	0736	0736	0718	0560	0735	0735	0732	0667	0735
FISCHER 344 RATS FEMALE ANIMAL ID	0030 1	0030 2	0030 3	0030 4	0030 5	0030 6	0030 7	0030 8	0030 9	0031 0	0031 1	0031 2	0031 3	0031 4	0031 5	0031 6	0031 7	0031 8	0031 9	0032 0	0032 1	0032 2	0032 3	0032 4	0032 5
14.3 MG/L																									**females (cont...)**
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cataract																							1		
Retina, Degeneration																							3		
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infarct																									
Inflammation, Chronic																									
Nephropathy	1	1					1		1	1	1				1	2		1		1	1	1	1		
Renal Tubule, Accumulation, Hyaline Droplet														3				3						3	
Renal Tubule, Necrosis			2																4						
Renal Tubule, Pigmentation												3													
Transitional Epithelium, Hyperplasia																									
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

DAY ON TEST	0736	0554	0736	0736	0736	0735	0618	0387	0735	0735	0736	0736	0736	0736	0678	0734	0734	0667	0686	0734	0737	0737	0737	0671	0737	
FISCHER 344 RATS FEMALE 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**
14.3 MG/L																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Intestine Large, Cecum	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**47**
Edema											2															**1 2.0**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Intestine Small, Ileum	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**47**
Lymphoid Tissue, Hyperplasia									1							2			1	2						**10 1.7**
Intestine Small, Jejunum	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	**46**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis										3		3														**4 2.5**
Basophilic Focus	X	X	X	X	X	X	X		X	X	X	X	X	X		X	X	X		X	X	X	X		X	**41**
Clear Cell Focus			X			X														X						**5**
Eosinophilic Focus																										**5**
Fatty Change																			2					4		**7 3.6**
Hematopoietic Cell Proliferation																										**2 1.5**
Hemorrhage																										**1 3.0**
Hepatodiaphragmatic Nodule											X					X								X		**3**

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

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

FISCHER 344 RATS FEMALE

14.3 MG/L

DAY ON TEST	073	054	073	073	073	073	061	038	073	073	073	073	073	073	067	073	073	066	068	073	073	073	073	067	073	
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	* TOTALS
Infiltration Cellular, Histiocyte											1											1				**5 1.0**
Inflammation, Chronic	1					1						2		1	1	1			1		2	1	2			**21 1.2**
Mixed Cell Focus													X		X						X					**6**
Necrosis				3				4														1				**7 1.9**
Regeneration																										**1**
Centrilobular, Necrosis																										**2 2.0**
Kupffer Cell, Pigmentation																										**1 2.0**
Mesentery	+			+		+					+	+				+	+				+			+		**13**
Accessory Spleen	X																									**1**
Fat, Necrosis				4							4	3				4					3			3		**10 3.4**
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy							1		1	2		1		1			1		1							**12 1.6**
Cyst										3	3															**4 3.0**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy					1							2								1				3		**7 1.4**
Fibrosis																										**1 1.0**
Vacuolization Cytoplasmic																										**1 2.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Edema															2				2							**3 2.0**
Ulcer																			1					3		**3 2.3**
Epithelium, Hyperplasia																			2					2		**3 2.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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\+ .. Tissue examined microscopically
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BLANK .. Not examined microscopically

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2) Mild 4) Marked

DAY ON TEST	0736	0554	0736	0736	0736	0735	0618	0387	0735	0735	0736	0736	0736	0736	0678	0734	0734	0667	0686	0734	0737	0737	0737	0671	0737	
FISCHER 344 RATS FEMALE 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**
14.3 MG/L																										
Erosion																										**3 2.7**
Hyperplasia																		1							1	**6 1.0**
Ulcer		2																						3		**2 2.5**
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Hemorrhage																										**1 1.0**
Inflammation, Chronic	1																					1				**3 1.0**
Epithelium, Hyperplasia																										**1 4.0**
Tooth															+											**1**
CARDIOVASCULAR SYSTEM																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	2		3	3	3	3			1		1	3	1	2	1				2	2	1	1				**32 2.0**
Inflammation, Chronic			3																							**1 3.0**
Thrombosis																										**1 3.0**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accessory Adrenal Cortical Nodule		3							3	3				3												**9 3.0**
Angiectasis																										**1 3.0**
Degeneration, Fatty	2									1									2							**12 2.1**
Hyperplasia, Focal	1													1												**6 1.7**
Hypertrophy, Focal	2									1																**4 1.3**

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FISCHER 344 RATS FEMALE 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**
14.3 MG/L																										
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia										2																**3 2.3**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parathyroid Gland	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**47**
Hyperplasia															2											**1 2.0**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pars Distalis, Angiectasis						2						2						3								**6 2.3**
Pars Distalis, Cyst				3			3	3			3	3		3		3				3	3	3				**18 3.0**
Pars Distalis, Hyperplasia, Focal						2						3				1				2						**8 2.0**
Pars Intermedia, Angiectasis									2																	**2 2.5**
Pars Intermedia, Cyst																					3					**3 3.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Hyperplasia	2		1	2	1	1						1			1		1	1	1	2	1	1				**28 1.5**
Follicle, Cyst																										**1 3.0**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																			2							**1 2.0**
Inflammation, Chronic			2				2												2							**4 2.3**

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DAY ON TEST	0736	0554	0736	0736	0736	0735	0618	0387	0735	0735	0736	0736	0736	0736	0678	0734	0734	0667	0686	0734	0737	0737	0737	0671	0737	
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	
14.3 MG/L	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**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis																										**1 3.0**
Cyst										3							3									**6 3.0**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Dilatation																				4						**1 4.0**
Hemorrhage																										**1 4.0**
Hyperplasia, Cystic												2								2						**5 1.8**
Vagina		+						+	+									+						+		**12**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia							2					2							3			3	3			**8 2.6**
Myelofibrosis								4																		**1 4.0**
Lymph Node		+		+										+		+					+					**11**
Mediastinal, Ectasia																										**1 3.0**
Mediastinal, Hemorrhage														2		2										**4 2.5**
Mediastinal, Hyperplasia, Lymphoid				3												2										**5 2.4**
Mediastinal, Pigmentation														3												**4 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	**0**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage		1									1					1								2		**13 1.3**

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DAY ON TEST	0736	0554	0736	0736	0736	0735	0618	0387	0735	0735	0736	0736	0736	0736	0678	0734	0734	0667	0686	0734	0737	0737	0737	0671	0737		
FISCHER 344 RATS FEMALE 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**
14.3 MG/L																											
Infiltration Cellular, Histiocyte			1		1		1		2			1	2		1	1	1			1			2				**18 1.4**
Lymph Node, Pancreatic	+	+	M	+	M	+	M	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	M	+	+	**36**	
Infiltration Cellular, Histiocyte				2					2	2			2		2	2	2				2				1		**20 1.9**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Fibrosis		3																									**2 3.0**
Hematopoietic Cell Proliferation					2	2	2		3			3	2	3	2	2	2		3	2			3		2		**28 2.3**
Necrosis								3													3						**3 3.0**
Pigmentation	2				3	2			3	3				2	3		3							4	3		**23 2.7**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	**49**	
INTEGUMENTARY SYSTEM																											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia	3	2	3	3	3	2	3	2	3	2	2	3	1	3	4	3	3	1	3	2	3	4	2	3	4		**50 2.8**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Edema																		2									**1 2.0**
MUSCULOSKELETAL SYSTEM																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
NERVOUS SYSTEM																											

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DAY ON TEST	073	055	073	073	073	073	061	038	073	073	073	073	073	073	067	073	073	066	068	073	073	073	073	067	073	
	6	4	6	6	6	5	8	7	5	5	6	6	6	6	8	4	4	7	6	4	7	7	7	1	7	
FISCHER 344 RATS FEMALE ANIMAL ID	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	
14.3 MG/L	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**
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Compression										2			4		3				4					4	3	**13 3.4**
Hemorrhage												1														**3 1.3**
Peripheral Nerve															+								+			**2**
Spinal Cord															+								+			**2**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage				1																	2	1				**4 1.3**
Infiltration Cellular, Histiocyte	1	1	2	2	1	1	1	3	1	1	1	2	2	1	1	1	1	1	1	1		1	1		1	**48 1.4**
Inflammation, Chronic																					2					**1 2.0**
Alveolar Epithelium, Hyperplasia			1		1	3		2	1																	**7 1.6**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body																										**1**
Inflammation, Chronic																1										**2 1.5**
Nasolacrimal Duct, Cyst											3															**1 3.0**
Respiratory Epithelium, Hyperplasia																2										**1 2.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										

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DAY ON TEST	0736	0554	0736	0736	0736	0735	0618	0387	0735	0735	0736	0736	0736	0736	0678	0734	0734	0667	0686	0734	0737	0737	0737	0671	0737	
FISCHER 344 RATS FEMALE 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**
14.3 MG/L																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cataract																							3			**2 2.0**
Retina, Degeneration																							4			**2 3.5**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infarct										3																**1 3.0**
Inflammation, Chronic														2												**1 2.0**
Nephropathy	2		1		1		1			1	1			2			1			1				1		**23 1.1**
Renal Tubule, Accumulation, Hyaline Droplet			3																							**4 3.0**
Renal Tubule, Necrosis																										**2 3.0**
Renal Tubule, Pigmentation																										**1 3.0**
Transitional Epithelium, Hyperplasia										2				2												**2 2.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	073	073	073	068	066	060	073	073	072	073	073	053	073	073	068	067	073	073	073	073	073	073	073	045	073	
	6	6	6	9	7	2	6	6	6	6	7	4	7	7	7	1	6	6	6	6	6	6	6	4	6	
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	
57.3 MG/L	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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema					2																					
Hemorrhage																										
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Histiocyte																		1								
Intestine Small, Ileum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoid Tissue, Hyperplasia								2							2						1					
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	X	X	X	X		X	
Clear Cell Focus	X										X			X												
Eosinophilic Focus									X	X																
Fatty Change					4	3						3				2				2	2					
Hemorrhage							1																			

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FISCHER 344 RATS FEMALE
57.3 MG/L

DAY ON TEST	736	736	736	689	667	602	736	736	726	736	737	534	737	737	687	671	736	736	736	736	736	736	736	454	736
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
Hepatodiaphragmatic Nodule	X						X		X					X											
Infiltration Cellular, Histiocyte			1						2	2									1	1	1		1		1
Inflammation, Chronic	1	1		1				1			1	1	1	1	1		3		1	1	1	1	2		1
Mixed Cell Focus				X			X					X									X	X			
Necrosis		1					1											1							
Regeneration					X																				
Bile Duct, Hyperplasia	1																		1						
Centrilobular, Necrosis																3									
Mesentery			+	+									+	+		+						+			
Fat, Necrosis			2	1									4	2		4						2			
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy									3		1								1		1				1
Cyst																3				3					
Acinus, Hyperplasia, Focal																									
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	1												1		1			2			1				
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema					3																				
Erosion						2																			
Ulcer					4							3													
Epithelium, Hyperplasia					3							3													
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

females (cont...)

* .. 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	0736	0736	0736	0689	0667	0602	0736	0736	0726	0736	0737	0534	0737	0737	0687	0671	0736	0736	0736	0736	0736	0736	0736	0454	0736	
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...)**
57.3 MG/L																										
Edema					3																					
Erosion					2																					
Hyperplasia			1														1									
Ulcer						3																				
Glands, Dilatation																										
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	
Inflammation, Chronic							1										1									
Epithelium, Hyperplasia													1													
CARDIOVASCULAR SYSTEM																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	2	1	1		2	2	2	1	2	1	2		2	1		1	1	1	2	1	2	2			2	
Necrosis																3										
Thrombosis						2										3										
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule											3									3						
Degeneration, Fatty		1			3		1			1			2	1			2				3	1				
Hyperplasia, Focal		1					2			1													1			
Hypertrophy, Focal	1																			2		1				
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										

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1-4 .. Lesion qualified as:
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DAY ON TEST	0736	0736	0736	0689	0667	0602	0736	0736	0726	0736	0737	0534	0737	0737	0687	0671	0736	0736	0736	0736	0736	0736	0736	0454	0736
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
57.3 MG/L																									**females (cont...)**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																									
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Angiectasis			3		3									3						4					
Pars Distalis, Cyst		3	3		3			3					3	3							3	3		3	
Pars Distalis, Hyperplasia, Focal			3		2									3											
Pars Intermedia, Cyst																							3		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ultimobranchial Cyst																									3
C-cell, Hyperplasia	1	2	2		1	2		2	3							2		2	2	1	3				1

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst															3										
Hyperplasia														3											
Inflammation, Chronic					2														2				2		
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst		3							3					3					3						

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

DAY ON TEST	073	073	073	068	066	060	073	073	072	073	073	053	073	073	068	067	073	073	073	073	073	073	073	045	073	
	6	6	6	9	7	2	6	6	6	6	7	4	7	7	7	1	6	6	6	6	6	6	6	4	6	
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	
57.3 MG/L	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...)**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Cystic							2											2							3	
Vagina					+				+			+														
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia				2				2									3									
Infiltration Cellular, Histiocyte																		3						3		
Lymph Node			+		+	+													+							
Deep Cervical, Hemorrhage					3																					
Mediastinal, Hemorrhage					3																					
Mediastinal, Hyperplasia, Lymphoid																										
Lymph Node, Mandibular	+	M	M	M	M	M	M	M	M	M	M	+	M	M	M	+	M	M	M	M	M	M	M	M	M	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrosis																										
Hemorrhage		1	1	1	3														2	2				1		
Hyperplasia, Lymphoid				2																						
Hyperplasia, Reticulum Cell																										
Infiltration Cellular, Histiocyte	2	1		1		2	2	1		1	2			1	1	1	1					2	2			
Lymph Node, Pancreatic	+	+	+	+	+	M	M	M	M	M	M	+	M	+	M	M	+	+	+	+	M	+	+	+	+	
Hemorrhage					2												2									

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	736	736	736	689	667	602	736	736	726	736	737	534	737	737	687	671	736	736	736	736	736	736	736	454	736
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
57.3 MG/L	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
Infiltration Cellular, Histiocyte	3	2	2	3	4							2		2			3	3	3			3	3	2	3
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Spleen			X																						
Hematopoietic Cell Proliferation	2	2		2	2		2	1	2	3		2	2		1	4	2	2	2	2	2	2	2	2	2
Hemorrhage																									
Infiltration Cellular, Mixed Cell																	4						4		
Necrosis					4																				
Pigmentation									3										2		2				
Lymphoid Follicle, Hyperplasia																									
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia	4	2	3	3	4	2	1	4	3	3	3	3	3	3		2	4	2	4	3	3	2	3		2
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperkeratosis																			3						
Ulcer																									
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cranium, Osteopetrosis				3																					

females (cont...)

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DAY ON TEST	073	073	073	068	066	060	073	073	072	073	073	053	073	073	068	067	073	073	073	073	073	073	073	045	073	
	6	6	6	9	7	2	6	6	6	6	7	4	7	7	7	1	6	6	6	6	6	6	6	4	6	
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	
57.3 MG/L	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...)**
Skeletal Muscle												+														
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression									4	3		4			3			3	4							
Hydrocephalus																										
Peripheral Nerve												+														
Spinal Cord												+														
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																3										
Foreign Body																									X	
Hemorrhage	2								1							3										
Infiltration Cellular, Histiocyte	2	1		2	1	2	1		2	2	1	1	1		1	3	2	1	1	2	1	1	1	1	1	
Inflammation, Chronic																									2	
Alveolar Epithelium, Hyperplasia		3															1						2		2	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body																										
Respiratory Epithelium, Hyperplasia																										
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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2) Mild 4) Marked

DAY ON TEST	0736	0736	0736	0689	0667	0602	0736	0736	0726	0736	0737	0534	0737	0737	0687	0671	0736	0736	0736	0736	0736	0736	0736	0454	0736	
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...)**
57.3 MG/L																										
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cataract												3						2								
Retina, Degeneration												4														
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infarct																										
Inflammation, Chronic		2																								
Nephropathy	1	3			1	2	1		1	1		1	1	1		1	1	2	2	1	1	1	1			
Renal Tubule, Accumulation, Hyaline Droplet			2															3								
Renal Tubule, Pigmentation					4																					
Transitional Epithelium, Hyperplasia		3																								
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																										

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DAY ON TEST	0573	0715	0735	0735	0554	0734	0734	0586	0734	0659	0734	0734	0657	0571	0734	0737	0662	0737	0689	0689	0735	0735	0735	0735	0735	
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**
57.3 MG/L																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Edema																										**1 2.0**
Hemorrhage														2												**1 2.0**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Infiltration Cellular, Histiocyte																										**1 1.0**
Intestine Small, Ileum	+	+	+	+	+	+	+	M	+	A	+	+	A	A	+	+	A	+	+	+	+	+	+	+	+	**44**
Lymphoid Tissue, Hyperplasia		1					2				3											2		2		**8 1.9**
Intestine Small, Jejunum	+	A	+	+	+	+	+	A	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	**44**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis	3																								2	**2 2.5**
Basophilic Focus		X	X	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	**44**
Clear Cell Focus			X				X				X				X											**7**
Eosinophilic Focus							X												X						X	**5**
Fatty Change	3						2										2	2								**10 2.5**
Hemorrhage																										**1 1.0**

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FISCHER 344 RATS FEMALE

57.3 MG/L

DAY ON TEST	0573	0715	0735	0735	0554	0734	0734	0586	0734	0659	0734	0734	0657	0571	0734	0737	0662	0737	0689	0689	0735	0735	0735	0735	0735		
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	0040	* TOTALS	
Hepatodiaphragmatic Nodule							X			X		X					X					X				9	
Infiltration Cellular, Histiocyte	3	1		1	2							1		2	1	1	2	1	1			1	1			21	1.3
Inflammation, Chronic			2	1	2	1			2		2	1							3		1	1		1	1	28	1.3
Mixed Cell Focus		X								X	X						X				X					10	
Necrosis									1																	4	1.0
Regeneration																										1	
Bile Duct, Hyperplasia	2					1								1												5	1.2
Centrilobular, Necrosis																										1	3.0
Mesentery	+				+							+		+						+		+				12	
Fat, Necrosis	2				1							3		4						2						11	2.5
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Atrophy	2			4	1				1	1						1										11	1.5
Cyst																3										3	3.0
Acinus, Hyperplasia, Focal																					3					1	3.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Atrophy									1				2			1		1				1				10	1.2
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Edema																										1	3.0
Erosion																										1	2.0
Ulcer																										2	3.5
Epithelium, Hyperplasia					1												4									4	2.8
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	

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M .. Missing tissue
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1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	073	075	073	073	055	073	073	058	073	065	073	073	065	057	073	073	066	073	068	068	073	073	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	
57.3 MG/L	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**
Edema																										**1 3.0**
Erosion	2																									**2 2.0**
Hyperplasia	2					1																				**4 1.3**
Ulcer																										**1 3.0**
Glands, Dilatation						2																				**1 2.0**
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	**48**
Inflammation, Chronic					1																				1	**4 1.0**
Epithelium, Hyperplasia																										**1 1.0**
CARDIOVASCULAR SYSTEM																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	1	2		1				1	1	2	2	2	1		3		1		2		1	1	1			**35 1.5**
Necrosis																										**1 3.0**
Thrombosis																										**2 2.5**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accessory Adrenal Cortical Nodule			3	3							3	3	3	3				3		3						**10 3.0**
Degeneration, Fatty		1			2				1			3	3			1			3	2						**17 1.8**
Hyperplasia, Focal															3			1			1				2	**8 1.5**
Hypertrophy, Focal					1														3					1		**6 1.5**
Adrenal Medulla	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Hyperplasia												1														**1 1.0**

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2) Mild 4) Marked

DAY ON TEST	0573	0715	0735	0735	0554	0734	0734	0586	0734	0659	0734	0734	0657	0571	0734	0737	0662	0737	0689	0689	0735	0735	0735	0735	0735	
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**
57.3 MG/L																										
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia											2															**1 2.0**
Parathyroid Gland	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	I	+	+	+	+	**47**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pars Distalis, Angiectasis	3										2		2													**7 2.9**
Pars Distalis, Cyst	3								3		3		3	3			3				3	3			3	**18 3.0**
Pars Distalis, Hyperplasia, Focal									2		3		2			2	1							1		**9 2.1**
Pars Intermedia, Cyst																										**1 3.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ultimobranchial Cyst									3																	**2 3.0**
C-cell, Hyperplasia	1	1		2	1	1	2		3		1		3						2		2				1	**25 1.8**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																									3	**2 3.0**
Hyperplasia										2																**2 2.5**
Inflammation, Chronic															4							2			2	**6 2.3**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst											3	3										3				**7 3.0**

* .. 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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DAY ON TEST	073	071	073	073	055	073	073	058	073	065	073	073	065	057	073	073	066	073	068	068	073	073	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	
57.3 MG/L	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**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia, Cystic								2																		**4 2.3**
Vagina					+																					**4**

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Hyperplasia																	4		3	2						**7 2.7**
Infiltration Cellular, Histiocyte																										**2 3.0**
Lymph Node	+	+						+									+		+							**9**
Deep Cervical, Hemorrhage																										**1 3.0**
Mediastinal, Hemorrhage																			2							**2 2.5**
Mediastinal, Hyperplasia, Lymphoid		2															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	**3**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Fibrosis																									3	**1 3.0**
Hemorrhage	1		1			1	1							1		1		1	1					1		**16 1.3**
Hyperplasia, Lymphoid					2																					**2 2.0**
Hyperplasia, Reticulum Cell									3																	**1 3.0**
Infiltration Cellular, Histiocyte		1	1				1		2		2	2				1	2	2	1				2	1	2	**27 1.5**
Lymph Node, Pancreatic	+	+	+	+	+	M	M	+	M	+	M	M	M	M	M	M	+	+	+	+	+	+	+	+	M	**30**
Hemorrhage																										**2 2.0**

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2) Mild 4) Marked

DAY ON TEST	073	075	073	073	055	073	073	058	073	065	073	073	065	057	073	073	066	073	068	068	073	073	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	
57.3 MG/L	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**
Infiltration Cellular, Histiocyte	2				2			2									3		2	3	4	2		2		**23 2.6**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accessory Spleen																										**1**
Hematopoietic Cell Proliferation		2	2	1		1	2			2	3	2			2	2	4	2	4		2	3		2	2	**38 2.1**
Hemorrhage													4													**1 4.0**
Infiltration Cellular, Mixed Cell																			4							**3 4.0**
Necrosis																										**1 4.0**
Pigmentation		2		2		2	2		2	3		2								3			3	2		**13 2.3**
Lymphoid Follicle, Hyperplasia																					2					**1 2.0**
Thymus	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia	4	4	2	1	3	3	4	3	3	3	2	3	2			2	3		3	3	4	4	4	1	2	**45 2.9**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperkeratosis																										**1 3.0**
Ulcer											2															**1 2.0**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cranium, Osteopetrosis																										**1 3.0**

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DAY ON TEST	073	075	073	073	055	073	073	058	073	069	073	073	065	057	073	073	066	073	068	068	073	073	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	
57.3 MG/L	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																										**1**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Compression		4		4	4					3		4						3	4			3	3			**15 3.5**
Hydrocephalus					3			2																		**2 2.5**
Peripheral Nerve																							+		+	**3**
Spinal Cord																							+		+	**3**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Edema																										**1 3.0**
Foreign Body																										**1**
Hemorrhage					1																					**4 1.8**
Infiltration Cellular, Histiocyte	1	2		2	1	2	1		2		1	1	1	1	1	2	1		2	1	2	1	2		2	**42 1.4**
Inflammation, Chronic						2									1											**3 1.7**
Alveolar Epithelium, Hyperplasia				2	1	2					1		3			1				1	1					**12 1.7**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body																		X								**1**
Respiratory Epithelium, Hyperplasia													1													**1 1.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	073	071	073	073	055	073	073	058	073	065	073	073	065	057	073	073	066	073	068	068	073	073	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	
57.3 MG/L	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**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cataract																							4		3	**4 3.0**
Retina, Degeneration																							4		4	**3 4.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infarct												3														**1 3.0**
Inflammation, Chronic																										**1 2.0**
Nephropathy		3	1		1		2		1		1	3		1		2		2		1	1	1	1			**32 1.4**
Renal Tubule, Accumulation, Hyaline Droplet																										**2 2.5**
Renal Tubule, Pigmentation																										**1 4.0**
Transitional Epithelium, Hyperplasia												2														**2 2.5**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage																									4	**1 4.0**

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DAY ON TEST	073	073	073	073	073	073	073	073	068	073	073	073	073	049	073	073	073	037	073	073	073	073	053	058	073	
FISCHER 344 RATS FEMALE ANIMAL ID	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	
172 MG/L	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...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Infiltration Cellular, Histiocyte	1	1	1	1	1	1			1	1		1			1	1		1		1					1	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Lymphatic, Hyperplasia																										
Lymphoid Tissue, Hyperplasia	2								1		2	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	
Clear Cell Focus	X	X	X		X						X	X	X				X				X					
Eosinophilic Focus																										
Fatty Change		2	2	2					3		2							2							3	
Hematopoietic Cell Proliferation																										
Hemorrhage																										
Hepatodiaphragmatic Nodule					X	X	X				X								X							

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FISCHER 344 RATS FEMALE

172 MG/L

females (cont...)

DAY ON TEST	073 5	073 5	073 5	073 5	073 5	073 4	073 4	073 4	068 9	073 4	073 6	073 6	073 6	049 3	073 6	073 7	073 7	073 9	073 7	073 7	073 4	073 4	053 1	058 0	073 4
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
Infiltration Cellular, Histiocyte	2	1		3	2	2	2	2		2	2	1			2	2	2		3	2	1	1		3	2
Inflammation, Chronic	1			2	1	2	1	1		2		1	2	3	1	2	2		2		2	2		3	
Mixed Cell Focus		X	X		X			X		X		X		X	X				X	X				X	X
Bile Duct, Hyperplasia																		2							
Centrilobular, Necrosis									3																
Hepatocyte, Syncytial Alteration				1																					
Lymphatic, Infiltration Cellular																				2					
Mesentery		+											+				+						+	+	
Accessory Spleen													X												
Fat, Necrosis		4															2						2		
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy		2		1				1		1		2	1							3					
Cyst			3						3				3							3					
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy		1								2		2	1		2						1			3	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema				4																				3	
Erosion																								1	
Ulcer				4																					
Epithelium, Hyperplasia				2																				1	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema																									

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DAY ON TEST	073	073	073	073	073	073	073	073	068	073	073	073	073	049	073	073	073	037	073	073	073	073	053	058	073	
FISCHER 344 RATS FEMALE ANIMAL ID	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	**females (cont...)**
172 MG/L	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	
Erosion																										
Hyperplasia						1	1	1														1			1	
Ulcer																										
Tongue	+	+	+	+	+	+	I	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic						1				1	1	1	1			1			1	1		1				
Tooth																										
CARDIOVASCULAR SYSTEM																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	3	1	1			1	2	1		3	3			2	1	1	1		2	1	1	3			1	
Thrombosis																										
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule						3						3									3					
Degeneration, Fatty		3	2	1			3		1		1								2	1						
Hyperplasia, Focal			1		1	1	3		1	3									1	2						
Hypertrophy, Focal		2																								
Necrosis														3									3			
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										

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DAY ON TEST	735	735	735	735	735	734	734	734	689	734	736	736	736	493	736	737	737	379	737	737	734	734	531	580	734
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
172 MG/L																									**females (cont...)**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Angiectasis						2								2											
Pars Distalis, Cyst		3	3		3			3	3					3		3			3	3			3		
Pars Distalis, Cytoplasmic Alteration, Focal																									
Pars Distalis, Hyperplasia, Focal			2					3		1				3											
Pars Intermedia, Cyst																									
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia		1	1			1						1	3						1			2			3

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst				3			3																		
Hyperplasia												2										2			
Inflammation									3																
Inflammation, Chronic							2						3							3		2			
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																			3						

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DAY ON TEST	073	073	073	073	073	073	073	073	068	073	073	073	073	049	073	073	073	037	073	073	073	073	053	058	073	
FISCHER 344 RATS FEMALE ANIMAL ID	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	
172 MG/L	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...)**
Cyst	3				3	3	3					3						3		3						
Oviduct																										
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Cystic								3				1					1		2							
Inflammation, Chronic																			2							
Vagina				+										+										+		
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																		3	3							
Myelofibrosis									2																	
Lymph Node										+		+														
Hemorrhage																										
Hyperplasia, Lymphoid																										
Mediastinal, Hemorrhage										2																
Mediastinal, Hyperplasia, Lymphoid																										
Mediastinal, Pigmentation										2		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	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage			1			1							1				1									
Infiltration Cellular, Histiocyte	1		3	2	2	2	2	2		2	2	2	3		2	2	2		2		3	2			2	

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FISCHER 344 RATS FEMALE ANIMAL ID	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004
172 MG/L	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...)																									
Lymph Node, Pancreatic	+	M	+	+	+	M	+	+	M	+	M	+	+	+	+	+	M	+	M	M	M	+	+	+	+
Infiltration Cellular, Histiocyte	3		3	1	1		4	2		2		3		4	4	3		2				2		4	2
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation	2	2	2	2	2	2	2	1		2	2	2	3		2	2	2				1	2			2
Necrosis																							3		
Pigmentation															2						2	2			
Lymphoid Follicle, Atrophy																									
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia	3	2	3	3	1	3	3	4	4	2	4	3	3	2	3	2	2		2	2	3	3	2	3	3
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst Epithelial Inclusion																									
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cranium, Osteopetrosis																	2								
Skeletal Muscle																		+							

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FISCHER 344 RATS FEMALE ANIMAL ID	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	
172 MG/L	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...)**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression				4									2		3				4			3		4	4	
Hemorrhage															2											
Hydrocephalus																								3		
Peripheral Nerve							+																			
Spinal Cord							+																			
RESPIRATORY SYSTEM																										
Larynx																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																										
Infiltration Cellular, Histiocyte	1	2	1	1	1	2	2	1	1	1	1	1	2	1	1	2	2	2	1	2	1		1	1	1	
Alveolar Epithelium, Hyperplasia								1					2							1			2			
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body																	X									
Inflammation, Chronic																	1							1		
Respiratory Epithelium, Hyperplasia																										
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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	5	5	5	5	5	4	4	4	9	4	6	6	6	3	6	7	7	9	7	7	4	4	1	0	4	
FISCHER 344 RATS FEMALE ANIMAL ID	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	
172 MG/L	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...)**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cataract							3																			
Retina, Degeneration							4		1																	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic																										
Lacrimal Gland																										
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										
Glomerulosclerosis																										
Hydronephrosis																										
Infarct																										
Nephropathy	1	1	1	1	1	1		1				1	2			1	1		1		1	3		1	2	
Renal Tubule, Accumulation, Hyaline Droplet																						3				
Renal Tubule, Dilatation																										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	0736	0736	0653	0667	0736	0618	0618	0734	0734	0734	0736	0736	0736	0447	0736	0737	0567	0646	0737	0737	0735	0559	0590	0735	0735	
FISCHER 344 RATS FEMALE ANIMAL ID	0042	0042	0042	0042	0043	0043	0043	0043	0043	0043	0043	0043	0043	0043	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0045	
172 MG/L	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	*** TOTALS**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	**49**
Intestine Large, Cecum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	**47**
Intestine Large, Colon	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	**48**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	**49**
Intestine Small, Duodenum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	**46**
Infiltration Cellular, Histiocyte	1	1		1	1	1	2			1	1	1	1			1		1	1		1		1		1	**30 1.0**
Intestine Small, Ileum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	**47**
Lymphatic, Hyperplasia				3																						**1 3.0**
Lymphoid Tissue, Hyperplasia									2			1														**6 1.7**
Intestine Small, Jejunum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	M	+	+	A	+	+	+	**45**
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	X	X	**47**
Clear Cell Focus		X			X	X		X			X	X				X			X	X	X				X	**20**
Eosinophilic Focus		X				X									X											**3**
Fatty Change				4			3										2	4				2	2			**13 2.5**
Hematopoietic Cell Proliferation							2							1								1				**3 1.3**
Hemorrhage			2																							**1 2.0**
Hepatodiaphragmatic Nodule											X			X		X			X						X	**10**

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

FISCHER 344 RATS FEMALE

172 MG/L

DAY ON TEST	073	073	065	066	073	061	061	073	073	073	073	073	073	044	073	073	056	064	073	073	073	055	059	073	073	
ANIMAL ID	006	007	008	009	030	031	032	033	034	035	036	037	038	039	040	041	042	043	044	045	046	047	048	049	050	* TOTALS
Infiltration Cellular, Histiocyte	1	2	3	2	2	2	3	2	2	2	1	2	3		2	2	1	3		2	1	2	3	1	1	**42 2.0**
Inflammation, Chronic	1	2	2		1	1		1	3	1	1	1	1	2	1	1			1	2	2		1			**35 1.6**
Mixed Cell Focus	X									X	X				X	X						X		X	X	**20**
Bile Duct, Hyperplasia			1					2																		**3 1.7**
Centrilobular, Necrosis														1												**2 2.0**
Hepatocyte, Syncytial Alteration																										**1 1.0**
Lymphatic, Infiltration Cellular																										**1 2.0**
Mesentery	+				+		+		+		+				+		+		+		+		+			**15**
Accessory Spleen																										**1**
Fat, Necrosis	3				3		3		1		2				3				4		3		3			**12 2.8**
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy						1														1						**9 1.4**
Cyst	3																			3						**6 3.0**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy	1	1			1			1	1		1						1	3				1			1	**17 1.4**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Edema																										**2 3.5**
Erosion																										**1 1.0**
Ulcer																							4			**2 4.0**
Epithelium, Hyperplasia																		2					3			**4 2.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Edema																		2								**1 2.0**

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DAY ON TEST	073	073	065	066	073	061	061	073	073	073	073	073	073	044	073	073	056	064	073	073	073	055	059	073	073	
FISCHER 344 RATS FEMALE ANIMAL ID	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	
172 MG/L	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**
Erosion																		3								**1 3.0**
Hyperplasia					1				1																	**7 1.0**
Ulcer				2																						**1 2.0**
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Inflammation, Chronic	1										1	1	1										1			**14 1.0**
Tooth																		+								**1**
CARDIOVASCULAR SYSTEM																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	1	1	1	1	2		1		1	1	1	1	3		2	1			1					1	1	**33 1.5**
Thrombosis							1																			**1 1.0**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accessory Adrenal Cortical Nodule									3								3						3			**6 3.0**
Degeneration, Fatty		3	2		4		3					2													1	**14 2.1**
Hyperplasia, Focal			2									2					2								1	**12 1.7**
Hypertrophy, Focal																										**1 2.0**
Necrosis																										**2 3.0**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia							1				1															**2 1.0**

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FISCHER 344 RATS FEMALE ANIMAL ID **172 MG/L**	0042 6	0042 7	0042 8	0042 9	0043 0	0043 1	0043 2	0043 3	0043 4	0043 5	0043 6	0043 7	0043 8	0043 9	0044 0	0044 1	0044 2	0044 3	0044 4	0044 5	0044 6	0044 7	0044 8	0044 9	0045 0	*** TOTALS**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parathyroid Gland	+	+	+	+	+	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	M	+	**45**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pars Distalis, Angiectasis												2													3	**4 2.3**
Pars Distalis, Cyst									3			3		3		3	3	3			3			3		**18 3.0**
Pars Distalis, Cytoplasmic Alteration, Focal																					1					**1 1.0**
Pars Distalis, Hyperplasia, Focal									1			3			3				3							**8 2.4**
Pars Intermedia, Cyst														3												**1 3.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Hyperplasia	2	1		1	2		1		2	1	1		1						1	1	1		1	3	2	**23 1.5**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst		3											3													**4 3.0**
Hyperplasia																	2									**3 2.0**
Inflammation																										**1 3.0**
Inflammation, Chronic	2	4															2			2						**8 2.5**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis																										**1 3.0**

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FISCHER 344 RATS FEMALE ANIMAL ID	0042 6	0042 7	0042 8	0042 9	0043 0	0043 1	0043 2	0043 3	0043 4	0043 5	0043 6	0043 7	0043 8	0043 9	0044 0	0044 1	0044 2	0044 3	0044 4	0044 5	0044 6	0044 7	0044 8	0044 9	0045 0	*** TOTALS**	
172 MG/L																											
Cyst							3	3					3														**10 3.0**
Oviduct																	+									**1**	
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia, Cystic	3			2						1	3														4		**9 2.2**
Inflammation, Chronic																											**1 2.0**
Vagina																		+								**4**	
HEMATOPOIETIC SYSTEM																											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia							3							3			3					3					**6 3.0**
Myelofibrosis																											**1 2.0**
Lymph Node							+										+									**4**	
Hemorrhage							2																				**1 2.0**
Hyperplasia, Lymphoid							2																				**1 2.0**
Mediastinal, Hemorrhage							2										2										**3 2.0**
Mediastinal, Hyperplasia, Lymphoid							2																				**1 2.0**
Mediastinal, Pigmentation																											**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	**2**	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hemorrhage				2				1		1	1	1							1		1	1		1	1		**14 1.1**
Infiltration Cellular, Histiocyte	2	3	1		2	2	2	2	1		2	3	2					2	2	2	1		1	2	3		**36 2.0**

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

DAY ON TEST	0736	0736	0653	0667	0736	0618	0618	0734	0734	0734	0736	0736	0736	0447	0736	0737	0567	0646	0737	0737	0735	0559	0590	0735	0735	
FISCHER 344 RATS FEMALE ANIMAL ID	0042 6	0042 7	0042 8	0042 9	0043 0	0043 1	0043 2	0043 3	0043 4	0043 5	0043 6	0043 7	0043 8	0043 9	0044 0	0044 1	0044 2	0044 3	0044 4	0044 5	0044 6	0044 7	0044 8	0044 9	0045 0	*** TOTALS**
172 MG/L																										
Lymph Node, Pancreatic	+	M	M	M	+	+	+	+	+	M	+	+	+	+	+	M	+	M	+	M	+	+	M	+	+	**34**
Infiltration Cellular, Histiocyte	4				4	1	3	4	3		3	4	4	2	3		1		3		3	2		3	2	**32 2.8**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hematopoietic Cell Proliferation	2	2			2	1	4		2			2	2	4	2	2	4		2	3		4	2	2	2	**36 2.2**
Necrosis																										**1 3.0**
Pigmentation																		3		2					2	**6 2.2**
Lymphoid Follicle, Atrophy																		3								**1 3.0**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	+	+	+	+	+	+	**48**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia	3	3	4	3	2	4	3	1	3	1	2	3	3	2	4	2	2	3	3	4	2	2	3	3	3	**49 2.7**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst Epithelial Inclusion																								X		**1**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cranium, Osteopetrosis																										**1 2.0**
Skeletal Muscle																										**1**

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DAY ON TEST	073	073	065	066	073	061	061	073	073	073	073	073	073	044	073	073	056	064	073	073	073	055	059	073	073	
	6	6	3	7	6	8	8	4	4	4	6	6	6	7	6	7	7	6	7	7	5	9	0	5	5	
FISCHER 344 RATS FEMALE ANIMAL ID	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	
172 MG/L	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**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Compression			3		3	3																	4			**11 3.4**
Hemorrhage																										**1 2.0**
Hydrocephalus																							3			**2 3.0**
Peripheral Nerve																										**1**
Spinal Cord																										**1**
RESPIRATORY SYSTEM																										
Larynx																	+									**1**
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage																					1					**1 1.0**
Infiltration Cellular, Histiocyte	1	1	2	1	1	1	2	1	1	2	1	1	1	2		1		1	2			1	2	2	1	2	**46 1.3**
Alveolar Epithelium, Hyperplasia						1	2			3		1			1											**9 1.6**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body																										**1**
Inflammation, Chronic																									2	**3 1.3**
Respiratory Epithelium, Hyperplasia																									2	**1 2.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	073	073	065	066	073	061	061	073	073	073	073	073	073	044	073	073	056	064	073	073	073	055	059	073	073	
FISCHER 344 RATS FEMALE ANIMAL ID	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	
172 MG/L	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**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cataract																										**1 3.0**
Retina, Degeneration																										**2 2.5**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic																	3									**1 3.0**
Lacrimal Gland																	+									**1**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst								3																		**1 3.0**
Glomerulosclerosis																									1	**1 1.0**
Hydronephrosis																		1								**1 1.0**
Infarct								4																		**1 4.0**
Nephropathy		1	1		1	1	1	2	1	1	1	1	1	1	1	1	1	2	1	2	1		1		1	**37 1.2**
Renal Tubule, Accumulation, Hyaline Droplet							2																			**2 2.5**
Renal Tubule, Dilatation																		3								**1 3.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	0736	0736	0736	0605	0736	0735	0735	0735	0735	0715	0652	0735	0735	0735	0735	0472	0737	0737	0506	0737	0729	0721	0729	0729	0729	
FISCHER 344 RATS FEMALE ANIMAL ID	0045 1	0045 2	0045 3	0045 4	0045 5	0045 6	0045 7	0045 8	0045 9	0046 0	0046 1	0046 2	0046 3	0046 4	0046 5	0046 6	0046 7	0046 8	0046 9	0047 0	0047 1	0047 2	0047 3	0047 4	0047 5	**females (cont...)**
516 MG/L																										

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																										
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Histiocyte	1	1	1	2	1	1	1	2	1	4	1	1	1		2	1	1	1	1	1	1	1	1	1	1	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoid Tissue, Hyperplasia									2		1		2	2	1		1					1		1		
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
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						
Eosinophilic Focus											X															
Fatty Change	2			3						2		2				4			2					2		
Hepatodiaphragmatic Nodule				X	X							X													X	
Infiltration Cellular, Histiocyte	3	2	3		3	2	3	3	3	3	2	3	3	3	3	1	2	3	2	3	2	1	2	2	2	
Inflammation, Chronic	2	2	2		1	1	2	3	2	3	1		2	2	3	3		1	4	2	3		2	1		

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FISCHER 344 RATS FEMALE

516 MG/L

DAY ON TEST	0736	0736	0736	0605	0736	0735	0735	0735	0735	0715	0652	0735	0735	0735	0735	0472	0737	0737	0506	0737	0729	0721	0729	0729	0729
ANIMAL ID	0045 1	0045 2	0045 3	0045 4	0045 5	0045 6	0045 7	0045 8	0045 9	0046 0	0046 1	0046 2	0046 3	0046 4	0046 5	0046 6	0046 7	0046 8	0046 9	0047 0	0047 1	0047 2	0047 3	0047 4	0047 5
Mixed Cell Focus		X	X					X	X		X			X				X		X		X		X	X
Necrosis										1															
Bile Duct, Hyperplasia			2						2												1				
Hepatocyte, Syncytial Alteration										2															
Mesentery		+		+				+																	
Accessory Spleen																									
Fat, Necrosis		3		1				3																	
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	1																							1	
Cyst																							3		
Acinus, Cytoplasmic Alteration																									
Acinus, Hyperplasia, Focal																									
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy						2			1	3							1		3			1		2	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema																			4						
Erosion																			3						
Inflammation, Chronic Active																			3						
Ulcer																									
Epithelium, Hyperplasia																			4						
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema																									

females (cont...)

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DAY ON TEST	0736	0736	0736	0605	0736	0735	0735	0735	0735	0715	0652	0735	0735	0735	0735	0472	0737	0737	0506	0737	0729	0721	0729	0729	0729
FISCHER 344 RATS FEMALE ANIMAL ID	0045 1	0045 2	0045 3	0045 4	0045 5	0045 6	0045 7	0045 8	0045 9	0046 0	0046 1	0046 2	0046 3	0046 4	0046 5	0046 6	0046 7	0046 8	0046 9	0047 0	0047 1	0047 2	0047 3	0047 4	0047 5
516 MG/L																									**females (cont...)**
Erosion																			2						
Hyperplasia																			1		1				
Inflammation																									
Ulcer																									
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granuloma																			X						
Hemorrhage																			1						
Inflammation, Chronic			1			1			1	1								1							
Ulcer				1																				2	
CARDIOVASCULAR SYSTEM																									
Blood Vessel																									
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	1				1		1	1	1	1				2	1	1	1		1		3		1	2	
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Adrenal Cortical Nodule						3									3						3				3
Degeneration, Fatty	1		3	1		3											2			2	3			1	
Hyperplasia, Focal	1					1											2						1	2	
Hypertrophy, Focal			2												1						3				
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	0736	0736	0736	0605	0736	0735	0735	0735	0735	0715	0652	0735	0735	0735	0735	0472	0737	0737	0506	0737	0729	0721	0729	0729	0729
FISCHER 344 RATS FEMALE ANIMAL ID	0045 1	0045 2	0045 3	0045 4	0045 5	0045 6	0045 7	0045 8	0045 9	0046 0	0046 1	0046 2	0046 3	0046 4	0046 5	0046 6	0046 7	0046 8	0046 9	0047 0	0047 1	0047 2	0047 3	0047 4	0047 5
516 MG/L																									**females (cont...)**
Hyperplasia				1																					
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+
Hyperplasia						2																			
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Angiectasis		3																							
Pars Distalis, Cyst	3		3		3	3	3	3	3	3				3				3				3			3
Pars Distalis, Hyperplasia			3																						
Pars Distalis, Hyperplasia, Focal	2	3				1		1																	3
Pars Intermedia, Cyst									3								3					3			
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ultimobranchial Cyst												3				3									
C-cell, Hyperplasia	1		2						1	1	1				1	1				1			1		

GENERAL BODY SYSTEM

Tissue NOS

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst						3																			
Hyperplasia														3											

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DAY ON TEST	0736	0736	0736	0605	0736	0735	0735	0735	0735	0715	0652	0735	0735	0735	0735	0735	0472	0737	0737	0506	0737	0729	0721	0729	0729	0729
FISCHER 344 RATS FEMALE ANIMAL ID	0045 1	0045 2	0045 3	0045 4	0045 5	0045 6	0045 7	0045 8	0045 9	0046 0	0046 1	0046 2	0046 3	0046 4	0046 5	0046 6	0046 7	0046 8	0046 9	0047 0	0047 1	0047 2	0047 3	0047 4	0047 5
516 MG/L																										**females (cont...)**
Inflammation, Chronic							2							2								2				
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst	3																		3			3				
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis										2																
Hyperplasia, Cystic							3										2									
Vagina	+			+										+												
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia	2									3							2									
Myelofibrosis												3														
Lymph Node				+						+						+			+							
Mediastinal, Ectasia																										
Mediastinal, Hemorrhage										2									3							
Mediastinal, Hyperplasia, Lymphoid										2									3							
Mediastinal, Pigmentation																										
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	
Ectasia																										
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage						1	1	1	1	1				2	1			1	1				1			

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FISCHER 344 RATS FEMALE

516 MG/L

DAY ON TEST	0736	0736	0736	0605	0736	0735	0735	0735	0735	0715	0652	0735	0735	0735	0735	0472	0737	0737	0506	0737	0729	0721	0729	0729	0729
ANIMAL ID	0045 1	0045 2	0045 3	0045 4	0045 5	0045 6	0045 7	0045 8	0045 9	0046 0	0046 1	0046 2	0046 3	0046 4	0046 5	0046 6	0046 7	0046 8	0046 9	0047 0	0047 1	0047 2	0047 3	0047 4	0047 5
Hyperplasia, Reticulum Cell			2																						
Infiltration Cellular, Histiocyte	2	3	3	2	2	2	3	3	2	3	2	2	2	3	3		3	3		2	2	2			3
Lymph Node, Pancreatic	+	M	M	+	+	+	+	+	+	+	M	+	+	+	+	M	M	M	+	+	+	M	+	M	M
Hemorrhage								1											2	2					
Hyperplasia, Lymphoid																			2	3					
Infiltration Cellular, Histiocyte	2			2	4	3	3	4		4				3	3				3	4	3		2		
Pigmentation								3																	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Spleen	X																								
Hematopoietic Cell Proliferation	3	2	2		2	2	2	1	2	2	2		2	2			2	2	1	2	2	1	2	2	2
Hemorrhage																3									
Necrosis				3												4									
Pigmentation																									
Lymphoid Follicle, Atrophy																									
Lymphoid Follicle, Hyperplasia	3																								
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																									

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia	3	3	3	2	2	2	3		3	3	3	3	2	3	3	3	3	4		3		3	2	3	2
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

females (cont...)

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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	073	060	073	073	073	073	073	071	065	073	073	073	073	047	073	073	050	073	072	072	072	072	072	
FISCHER 344 RATS FEMALE ANIMAL ID	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	
516 MG/L	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...)**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cranium, Osteopetrosis																										
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Compression												3								1				4		
Gliosis																		1								
Necrosis																										
Vacuolization Cytoplasmic				2																						
Peripheral Nerve																										
Spinal Cord																										
RESPIRATORY SYSTEM																										
Larynx																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body																										
Hemorrhage														1												
Infiltration Cellular, Histiocyte	2	2	1		1	1	2	1	2	1	2	1	1	1	1	1	1	1	2	1	1	2	1	2	2	
Inflammation, Chronic																										

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DAY ON TEST	0736	0736	0736	0605	0736	0735	0735	0735	0735	0715	0652	0735	0735	0735	0735	0472	0737	0737	0506	0737	0729	0721	0729	0729	0729
FISCHER 344 RATS FEMALE ANIMAL ID	0045 1	0045 2	0045 3	0045 4	0045 5	0045 6	0045 7	0045 8	0045 9	0046 0	0046 1	0046 2	0046 3	0046 4	0046 5	0046 6	0046 7	0046 8	0046 9	0047 0	0047 1	0047 2	0047 3	0047 4	0047 5
516 MG/L																									**females (cont...)**
Alveolar Epithelium, Hyperplasia					1		2	1						2						1					
Alveolar Epithelium, Metaplasia, Squamous																									
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body													X											X	
Inflammation, Chronic													2												
Respiratory Epithelium, Hyperplasia																									
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cataract																									
Inflammation, Chronic										4															
Retina, Degeneration																								2	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage										4															
Zymbal's Gland																									

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																	3								

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FISCHER 344 RATS FEMALE

516 MG/L

females (cont...)

DAY ON TEST	0736	0736	0736	0605	0736	0735	0735	0735	0735	0715	0652	0735	0735	0735	0735	0472	0737	0737	0506	0737	0729	0721	0729	0729	0729
ANIMAL ID	0045 1	0045 2	0045 3	0045 4	0045 5	0045 6	0045 7	0045 8	0045 9	0046 0	0046 1	0046 2	0046 3	0046 4	0046 5	0046 6	0046 7	0046 8	0046 9	0047 0	0047 1	0047 2	0047 3	0047 4	0047 5
Infarct													1												
Inflammation, Chronic																									
Nephropathy	1	1	2		1	1	1	2	1	1	1	1	1	1	1		1	1		1	1		1	2	1
Renal Tubule, Pigmentation																									
Transitional Epithelium, Hyperplasia																									
Urinary Bladder	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	059	056	072	072	058	073	073	073	066	073	070	073	057	056	064	072	073	046	065	073	067	073	073	073	058		
FISCHER 344 RATS FEMALE ANIMAL ID	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	005		
516 MG/L	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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Edema								2																			**1 2.0**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Large, Rectum	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	**47**	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Infiltration Cellular, Histiocyte	1	1	2	1	1	1	1	1	1	1	1	1		2	2	1	1	1	1	1	1	2	1		2		**47 1.2**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Lymphoid Tissue, Hyperplasia										1							1	1		2							**12 1.3**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
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			**43**
Clear Cell Focus								X		X																	**7**
Eosinophilic Focus							X							X													**3**
Fatty Change					3						3		3	2		3			3		4		3		3		**16 2.8**
Hepatodiaphragmatic Nodule	X							X			X	X										X					**9**
Infiltration Cellular, Histiocyte		2	3	2	3	3	2	3	3	3	3	2	2		3	3	3	2	3	3	3	3	3	3	3		**47 2.6**
Inflammation, Chronic	1	2	2	2		3		2	2	3	2	1	3	2		1	3	3		1		3	2		3		**39 2.1**

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DAY ON TEST	0595	0567	0729	0729	0580	0735	0735	0735	0667	0735	0709	0735	0570	0560	0647	0721	0735	0461	0652	0735	0679	0737	0732	0737	0583	
FISCHER 344 RATS FEMALE ANIMAL ID	0047 6	0047 7	0047 8	0047 9	0048 0	0048 1	0048 2	0048 3	0048 4	0048 5	0048 6	0048 7	0048 8	0048 9	0049 0	0049 1	0049 2	0049 3	0049 4	0049 5	0049 6	0049 7	0049 8	0049 9	0050 0	*** TOTALS**
516 MG/L																										
Mixed Cell Focus		X	X					X		X		X	X			X										**18**
Necrosis																										**1 1.0**
Bile Duct, Hyperplasia																			3							**4 2.0**
Hepatocyte, Syncytial Alteration																										**1 2.0**
Mesentery							+			+				+		+	+	+				+				**10**
Accessory Spleen																						X				**1**
Fat, Necrosis							4			3				3		2	4	3								**9 2.9**
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy										4	1				1											**5 1.6**
Cyst												3								3				3		**4 3.0**
Acinus, Cytoplasmic Alteration											3		3			3										**3 3.0**
Acinus, Hyperplasia, Focal							1																			**1 1.0**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy					2			1			3	2						2		1	2	3	3		3	**17 2.1**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Edema															2											**2 3.0**
Erosion																										**1 3.0**
Inflammation, Chronic Active																										**1 3.0**
Ulcer											4												4		2	**3 3.3**
Epithelium, Hyperplasia					1						4														2	**4 2.8**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Edema																							2			**1 2.0**

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DAY ON TEST	0595	0567	0729	0729	0580	0735	0735	0735	0667	0735	0709	0735	0570	0560	0647	0721	0735	0461	0652	0735	0679	0737	0732	0737	0583	
FISCHER 344 RATS FEMALE ANIMAL ID	0047	0047	0047	0047	0048	0048	0048	0048	0048	0048	0048	0048	0048	0048	0049	0049	0049	0049	0049	0049	0049	0049	0049	0049	0050	
516 MG/L	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**
Erosion		2			2								2								3					**5 2.2**
Hyperplasia														1							2					**4 1.3**
Inflammation			2																							**1 2.0**
Ulcer		3																							2	**2 2.5**
Tongue	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	**48**
Granuloma							X																			**2**
Hemorrhage																										**1 1.0**
Inflammation, Chronic									1							2			1	1	1			1	1	**12 1.1**
Ulcer																						3				**3 2.0**

CARDIOVASCULAR SYSTEM

Blood Vessel	+																									**1**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy			2	1		1	1	1	1	3		2			1	1	1			1	1			1		**28 1.3**

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accessory Adrenal Cortical Nodule			3						3		3												3			**8 3.0**
Degeneration, Fatty					4	1	3	1		3	2					1	2	2	1		2				2	**20 2.0**
Hyperplasia, Focal																1										**6 1.3**
Hypertrophy, Focal							1			2							2		1							**7 1.7**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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FISCHER 344 RATS FEMALE ANIMAL ID	0047	0047	0047	0047	0048	0048	0048	0048	0048	0048	0048	0048	0048	0048	0049	0049	0049	0049	0049	0049	0049	0049	0049	0049	0050	
516 MG/L	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						1																				**2 1.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parathyroid Gland	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**47**
Hyperplasia																										**1 2.0**
Pituitary Gland	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Pars Distalis, Angiectasis													2								3					**3 2.7**
Pars Distalis, Cyst	3	3					3		3	3	3				3	3	3	3	3	3		3		3	3	**27 3.0**
Pars Distalis, Hyperplasia																										**1 3.0**
Pars Distalis, Hyperplasia, Focal	2						2						2					3							1	**10 2.0**
Pars Intermedia, Cyst																										**3 3.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ultimobranchial Cyst																										**2 3.0**
C-cell, Hyperplasia					2	1	2							1		1		1		3						**16 1.3**

GENERAL BODY SYSTEM

Tissue NOS		+										+														**2**

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																										**1 3.0**
Hyperplasia																										**1 3.0**

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DAY ON TEST	059	056	072	072	058	073	073	073	066	073	070	073	057	056	064	072	073	046	065	073	067	073	073	073	058	
FISCHER 344 RATS FEMALE ANIMAL ID	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	005	
516 MG/L	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											2															**4 2.0**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst		3	3																							**5 3.0**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis																3										**2 2.5**
Hyperplasia, Cystic			4											2								3				**5 2.8**
Vagina		+			+						+					+			+		+				+	**10**

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia	2	3					3							3	3		2									**9 2.6**
Myelofibrosis																										**1 3.0**
Lymph Node								+			+			+		+		+						+	+	**11**
Mediastinal, Ectasia																3									3	**2 3.0**
Mediastinal, Hemorrhage								3																	3	**4 2.8**
Mediastinal, Hyperplasia, Lymphoid											3			2		3		2								**6 2.5**
Mediastinal, Pigmentation								2																		**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	**3**
Ectasia																			3							**1 3.0**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage					2			2			2		1		2		1	1		1		1		1	2	**21 1.3**

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FISCHER 344 RATS FEMALE ANIMAL ID	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	005	
516 MG/L	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, Reticulum Cell																										**1 2.0**
Infiltration Cellular, Histiocyte	2	2	2	2	3	2		1	3		2	4	3	1	2	2	2			3	2	2	3	3	2	**42 2.4**
Lymph Node, Pancreatic	+	M	+	+	M	+	+	+	+	M	M	+	M	+	+	+	M	M	+	+	+	+	M	+	+	**33**
Hemorrhage																				1						**4 1.5**
Hyperplasia, Lymphoid																										**2 2.5**
Infiltration Cellular, Histiocyte	3		2	3		2	4	4				1		3	2	3			3	4				4	4	**27 3.0**
Pigmentation																										**1 3.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accessory Spleen																										**1**
Hematopoietic Cell Proliferation	3	3		2		1	3	2		2		2		2	3		2			2						**33 2.0**
Hemorrhage																										**1 3.0**
Necrosis																										**2 3.5**
Pigmentation					3						3														3	**3 3.0**
Lymphoid Follicle, Atrophy					3						2		3												3	**4 2.8**
Lymphoid Follicle, Hyperplasia		2																3								**3 2.7**
Thymus	+	+	+	M	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	**47**
Atrophy					3								3												3	**3 3.0**

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia	1	3	3	2	2	3	2	3	2	2	3	3	2		4	2	2		2		3	4	4	2	2	**44 2.7**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	059	067	079	079	058	073	073	073	067	073	079	073	057	056	064	072	073	046	065	073	067	073	073	073	058	
FISCHER 344 RATS FEMALE ANIMAL ID	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	005	
516 MG/L	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**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cranium, Osteopetrosis					2								2													**2 2.0**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Compression				3		4									2								3			**7 2.9**
Gliosis																										**1 1.0**
Necrosis																					2					**1 2.0**
Vacuolization Cytoplasmic																										**1 2.0**
Peripheral Nerve													+									+				**2**
Spinal Cord													+									+				**2**
RESPIRATORY SYSTEM																										
Larynx									+																	**1**
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body																				X						**1**
Hemorrhage									1																	**2 1.0**
Infiltration Cellular, Histiocyte	2	2	1	1	2	2	2	2	2	2	2		1	2	2	2	1	2	1	2	1	1		1	1	**47 1.5**
Inflammation, Chronic																				3						**1 3.0**

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

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

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

DAY ON TEST	0595	0567	0729	0729	0580	0735	0735	0735	0667	0735	0709	0735	0570	0560	0647	0721	0735	0461	0652	0735	0679	0737	0732	0737	0583	
FISCHER 344 RATS FEMALE ANIMAL ID	0047 6	0047 7	0047 8	0047 9	0048 0	0048 1	0048 2	0048 3	0048 4	0048 5	0048 6	0048 7	0048 8	0048 9	0049 0	0049 1	0049 2	0049 3	0049 4	0049 5	0049 6	0049 7	0049 8	0049 9	0050 0	*** TOTALS**
516 MG/L																										
Alveolar Epithelium, Hyperplasia	3			3		1				3											3					**10 2.0**
Alveolar Epithelium, Metaplasia, Squamous	2																									**1 2.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body																			X							**3**
Inflammation, Chronic					2														2							**3 2.0**
Respiratory Epithelium, Hyperplasia					1														1							**2 1.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cataract																						4				**1 4.0**
Inflammation, Chronic					4								4													**3 4.0**
Retina, Degeneration																						4				**2 3.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage																										**1 4.0**
Zymbal's Gland																		+								**1**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst			3																							**2 3.0**

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DAY ON TEST	595	567	729	729	580	735	735	735	667	735	709	735	570	560	647	721	735	461	652	735	679	737	732	737	583	
FISCHER 344 RATS FEMALE ANIMAL ID	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	005	
516 MG/L	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**
Infarct			1						4																3	**4 2.3**
Inflammation, Chronic									3																	**1 3.0**
Nephropathy	1	1	1	1	2	2	1	2			2	1		1	1	1	1	1	1	1	1		1	1		**41 1.2**
Renal Tubule, Pigmentation															2				2							**2 2.0**
Transitional Epithelium, Hyperplasia									2																	**1 2.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**

*** END OF REPORT ***

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