F2_R2

C Number:	C99013
Lock Date:	03/27/2008
Cage Range:	ALL
Date Range:	ALL
Reasons For Removal:	ALL
Removal Date Range:	ALL
Treatment Groups:	Include ALL
Study Gender:	Both
TDMSE Version:	2.2.0

FISCHER 344 RATS MALE

0 PPM

DAY ON TEST	727	614	523	200	722	474	662	670	670	727	727	612	726	726	726	726	726	726	726	726	726	726	726	673	727	
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...)
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation																										
Intestine Large, Cecum	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation																										
Necrosis		1																								
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mineralization						2																				
Parasite Metazoan									X	X																
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation																										
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																								2		
Basophilic Focus	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	
Degeneration, Cystic								3						1	1	1			1						1	
Eosinophilic Focus	X									X			X	X		X		X	X	X		X	X			
Fatty Change, Diffuse																										
Fibrosis														1												

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

FISCHER 344 RATS MALE

0 PPM

DAY ON TEST	0727	0614	0523	0200	0722	0474	0662	0670	0670	0727	0727	0612	0726	0726	0726	0726	0726	0726	0726	0726	0726	0726	0726	0726	0673	0727	
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...)**
Hematopoietic Cell Proliferation																										
Hepatodiaphragmatic Nodule																	X	X								
Inflammation, Chronic Active	1			1		1				1		1	1	1		1	1	1	1	1	1	1			1	
Mixed Cell Focus										X	X							X		X		X				
Necrosis		2																								
Pigmentation, Hemosiderin								2															1			
Bile Duct, Cyst																										
Bile Duct, Hyperplasia	2				1			3	2	1	1	1	2	2	1	1	1	2	1	2	1	1	2	3	1	
Mesentery										+														+	+	
Fat, Necrosis										2														2	2	
Oral Mucosa																	+									
Pharyngeal, Hyperplasia, Squamous																	3									
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation																							2			
Acinus, Atrophy						1			1		1			3	1	1	1		1			1				
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Dysplasia							2		1																	
Inflammation					4			3	1															3		
Mineralization						2																				
Ulcer					4		3	3																4		
Epithelium, Hyperplasia					2		2	3	2															2		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion																										
Inflammation					1																					

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0 PPM																										
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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	males (cont...)
Mineralization						4																				
Ulcer					2		3	2																		
Tooth		+																						+		
Malformation																								1		
Pulp, Inflammation		3																								
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mineralization						3																				
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	3	2	2	1	2	2	2	2	2	2	3	3	3	2	2	3	3	3	2	3	2	3	3	2	2	
Atrium, Thrombosis								2																		
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										
Hypertrophy															2											
Necrosis		2					1																			
Vacuolization Cytoplasmic					3		3																			
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										
Parathyroid Gland	+	+	+	+	+	+	+	+	M	+	M	M	+	+	M	M	M	M	+	+	M	+	+	+	+	

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FISCHER 344 RATS MALE 0 PPM																										
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ANIMAL ID	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00018	00019	00020	00021	00022	00023	00024	00025	males (cont...)
Hyperplasia						2		2																		
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Hyperplasia	1								1									3			3		1		3	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia	1	1								3			2					1				1	3			
Follicle, Cyst																										
GENERAL BODY SYSTEM																										
NONE																										
GENITAL SYSTEM																										
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation																										
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation	1		2		1	1	2			2	1		1		1	1		1	1	2	2	1		3	1	
Epithelium, Hyperplasia									1		1					1				1		4				
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Germinal Epithelium, Degeneration																								3		
Interstitial Cell, Hyperplasia						2						4						2		3				2		
HEMATOPOIETIC SYSTEM																										

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ANIMAL ID	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00018	00019	00020	00021	00022	00023	00024	00025		
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Fibrosis																											
Hyperplasia	2	2						3	4		3		1	1	1		1	2				1	3	4			
Myelofibrosis								3																			
Lymph Node					+				+														+	+			
Deep Cervical, Ectasia																											
Pancreatic, Inflammation																							2				
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Ectasia																											
Hyperplasia, Histiocytic																											
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Hematopoietic Cell Proliferation			1		1																						
Hyperplasia, Histiocytic																							4				
Hyperplasia, Lymphoid													4														
Necrosis																								3			
Pigmentation, Hemosiderin				1		2																					
Lymphoid Follicle, Atrophy						4						2															
Thymus	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Atrophy	3	3		1	3	4	3	3	4	3	4	4	3	3	3	3	3	4	3	3	3	3	3	3	3		
Necrosis																											

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		

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FISCHER 344 RATS MALE 0 PPM																										
DAY ON TEST	0727	0614	0523	0200	0722	0474	0662	0670	0670	0727	0727	0612	0726	0726	0726	0726	0726	0726	0726	0726	0726	0726	0726	0673	0727	males (cont...)
ANIMAL ID	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00018	00019	00020	00021	00022	00023	00024	00025	
Fibrosis	2																								2	
Hyperplasia																					1					
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion																								X		
Fibrosis																									2	
Inflammation																								2		
Ulcer				3	3																					
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Osteopetrosis								2																		
Skeletal Muscle																										
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Demyelination		1																								
Hemorrhage		1			1							1								1						
Mineralization	1																									
Spinal Cord					+																					
Meninges, Infiltration Cellular, Mononuclear Cell					1																					
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active					1										3								2	1		

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ANIMAL ID	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00018	00019	00020	00021	00022	00023	00024	00025		
Mineralization						3																					
Alveolar Epithelium, Hyperplasia										1		2	2							1	2						
Alveolus, Infiltration Cellular, Histiocyte															2												
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Inflammation					1	1		1	1				2	1				2	1	1	1		1	2	1		
Respiratory Epithelium, Hyperplasia															1												
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
SPECIAL SENSES SYSTEM																											
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Cornea, Inflammation																											
Lens, Cataract																											
Retina, Degeneration									2										1								
Retina, Gliosis											2													2			
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Hyperplasia																											
Zymbal's Gland																											
URINARY SYSTEM																											
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Accumulation, Hyaline Droplet																	1										
Infarct																											
Mineralization						4																					
Nephropathy	3	1	3	1	3			3		3	2	1	3	2	2	3	3	2	2	2	3	3	3	2	2		
Papilla, Necrosis						3																					

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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		
Pelvis, Dilatation						4																					
Pelvis, Transitional Epithelium, Hyperplasia																											
Renal Tubule, Dilatation						3																					
Renal Tubule, Necrosis							2																				
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		

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0 PPM

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ANIMAL ID	00026	00027	00028	00029	00030	00031	00032	00033	00034	00035	00036	00037	00038	00039	00040	00041	00042	00043	00044	00045	00046	00047	00048	00049	00050	* TOTALS	
ALIMENTARY SYSTEM																											
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation				2																							**1 2.0**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Inflammation	3																										**1 3.0**
Necrosis																											**1 1.0**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Mineralization																											**1 2.0**
Parasite Metazoan	X				X				X			X							X			X			X		**9**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation	4																										**1 4.0**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Angiectasis																											**1 2.0**
Basophilic Focus	X		X		X	X	X	X	X			X	X	X		X			X						X		**27**
Clear Cell Focus			X		X	X	X	X	X	X	X	X		X			X			X	X	X			X		**25**
Degeneration, Cystic								1																			**7 1.3**
Eosinophilic Focus			X			X				X				X		X			X			X					**17**
Fatty Change, Diffuse															2												**1 2.0**
Fibrosis																											**1 1.0**

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0 PPM

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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	
Hematopoietic Cell Proliferation																	1						1			2	1.0
Hepatodiaphragmatic Nodule																		X							X	4	
Inflammation, Chronic Active	1		1		1	1	1	1	1	1	1	1	1	1					1	1	1	1	1	1	1	34	1.0
Mixed Cell Focus							X																			6	
Necrosis		2																1								3	1.7
Pigmentation, Hemosiderin												1														3	1.3
Bile Duct, Cyst																		1								1	1.0
Bile Duct, Hyperplasia	1		1	1	1	1	1	1	2	2	1	1	1	1	1		1		1	1		1	1	1	1	41	1.3
Mesentery																										3	
Fat, Necrosis																										3	2.0
Oral Mucosa																										1	
Pharyngeal, Hyperplasia, Squamous																										1	3.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation													3													2	2.5
Acinus, Atrophy			2						1			2	1	1	1					1	1	1		1		19	1.2
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Dysplasia																										2	1.5
Inflammation															2			1								6	2.3
Mineralization																										1	2.0
Ulcer															3			2								6	3.2
Epithelium, Hyperplasia															2			2								7	2.1
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Erosion				1																						1	1.0
Inflammation																										1	1.0

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FISCHER 344 RATS MALE

0 PPM

DAY ON TEST	727	390	726	645	726	726	726	726	727	727	727	727	727	727	617	727	727	727	625	727	726	726	726	727	727	
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
Mineralization																										1 4.0
Ulcer																		2								4 2.3
Tooth																		+					+			4
Malformation																		1					1			3 1.0
Pulp, Inflammation																										1 3.0
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Mineralization																										1 3.0
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cardiomyopathy	2	1	2	1	3	3	2	2	2	3	3	3	3	2	1	2	2	2	2	2	2	3	2	2	3	50 2.3
Atrium, Thrombosis																										1 2.0
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia																									1	1 1.0
Hypertrophy													1													2 1.5
Necrosis																										2 1.5
Vacuolization Cytoplasmic																										2 3.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia									1											1						2 1.0
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia			3																							1 3.0
Parathyroid Gland	+	+	M	+	+	+	+	+	+	M	+	+	+	M	+	+	+	+	+	M	+	M	+	M	M	35

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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		
Hyperplasia																										**2**	**2.0**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Pars Distalis, Hyperplasia	3					1			2	2					2	1			2	1	1		1	2		**17**	**1.8**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
C-cell, Hyperplasia						2	1		3		1		1							2			1			**14**	**1.6**
Follicle, Cyst																						1				**1**	**1.0**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation						3																				**1**	**3.0**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation	1		2	3			2	1	1	1	3	1	3	2	1	1	1		2	1	1		1	1	1	**37**	**1.5**
Epithelium, Hyperplasia					1												1			2				2		**9**	**1.6**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Germinal Epithelium, Degeneration															2			4		4	4					**5**	**3.4**
Interstitial Cell, Hyperplasia			4								4		1	4	4					3	1					**12**	**2.8**

HEMATOPOIETIC SYSTEM

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FISCHER 344 RATS MALE

0 PPM

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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
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Fibrosis											1															1 1.0
Hyperplasia	1	2				1									4	2		2	1	1	1	1		1		24 1.9
Myelofibrosis																										1 3.0
Lymph Node				+											+								+			7
Deep Cervical, Ectasia																							2			1 2.0
Pancreatic, Inflammation																										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
Ectasia	2																									1 2.0
Hyperplasia, Histiocytic											1															1 1.0
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hematopoietic Cell Proliferation		2																3								4 1.8
Hyperplasia, Histiocytic																										1 4.0
Hyperplasia, Lymphoid													1													2 2.5
Necrosis																										1 3.0
Pigmentation, Hemosiderin			1		1					1		1	1												1	8 1.1
Lymphoid Follicle, Atrophy																		2								3 2.7
Thymus	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Atrophy	3		3		3	3		4	3	3	3	3	3	3		3	3	3	3	2		3	3	3	3	44 3.1
Necrosis		4																								1 4.0

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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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	
Fibrosis																										**2**	**2.0**
Hyperplasia																										**1**	**1.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cyst Epithelial Inclusion																										**1**	
Fibrosis																										**1**	**2.0**
Inflammation																										**1**	**2.0**
Ulcer																										**2**	**3.0**
MUSCULOSKELETAL SYSTEM																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Osteopetrosis																										**1**	**2.0**
Skeletal Muscle																		+								**1**	
NERVOUS SYSTEM																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Demyelination																		1								**2**	**1.0**
Hemorrhage																		1								**5**	**1.0**
Mineralization																										**1**	**1.0**
Spinal Cord																										**1**	
Meninges, Infiltration Cellular, Mononuclear Cell																										**1**	**1.0**
RESPIRATORY SYSTEM																											
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation, Chronic Active															2			1							1	**7**	**1.6**

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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
Mineralization																										**1 3.0**
Alveolar Epithelium, Hyperplasia	2				1	1				1	1		1	1				1								**13 1.3**
Alveolus, Infiltration Cellular, Histiocyte															1											**2 1.5**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation	1		2			2	2			2		2	1			1					1	1		1		**24 1.3**
Respiratory Epithelium, Hyperplasia																										**1 1.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cornea, Inflammation		1																								**1 1.0**
Lens, Cataract						2																				**1 2.0**
Retina, Degeneration						3																				**3 2.0**
Retina, Gliosis																										**2 2.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia									2																	**1 2.0**
Zymbal's Gland																			+							**1**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accumulation, Hyaline Droplet													1					2								**3 1.3**
Infarct					1																					**1 1.0**
Mineralization																										**1 4.0**
Nephropathy	2	1	1	1	3	2	3	2	3	2	3	2	3	2	1	2	2	2	2	2	2	2	2	1	2	**47 2.2**
Papilla, Necrosis																										**1 3.0**

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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
Pelvis, Dilatation																										**1 4.0**
Pelvis, Transitional Epithelium, Hyperplasia								1																		**1 1.0**
Renal Tubule, Dilatation																										**1 3.0**
Renal Tubule, Necrosis																										**1 2.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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FISCHER 344 RATS MALE

400 PPM

DAY ON TEST	726	726	726	726	726	624	726	726	726	673	727	701	727	727	727	684	726	613	726	726	617	727	727	727	727	males (cont...)
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	
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan							X	X				X	X	X	X											
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis			1								1															
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		2			1		1								2	1			1							
Eosinophilic Focus		X	X								X			X			X		X			X				
Fatty Change, Diffuse						1				1				1												
Fibrosis																	1									
Hematopoietic Cell Proliferation									1			1														
Hepatodiaphragmatic Nodule																										
Inflammation, Chronic Active	1	1	1	1	1	1	1	1	1		1		1	1			1		2		1	1	1	1	1	
Mixed Cell Focus		X	X	X					X					X								X		X		
Necrosis																		2								

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400 PPM

DAY ON TEST	726	726	726	726	726	624	726	726	726	673	727	701	727	727	727	684	726	613	726	726	617	727	727	727	727	males (cont...)
ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073	00074	00075	
Regeneration																2										
Bile Duct, Hyperplasia		1	2	1	1	1	1	1	1	1	1	1	2	1	1	2	2	1	2	1	1	1	2		1	
Mesentery						+											+			+						
Fat, Necrosis																	1			1						
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Acinus, Atrophy				1		3	2	2	3		1	2	1	1	1		1	2			1	2		1	1	
Acinus, Hyperplasia																							3			
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	
Atrophy			2																							
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion										1																
Inflammation										1																
Ulcer																										
Epithelium, Hyperplasia									1																	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion																		2								
Inflammation																										
Tooth														+				+	+							
Malformation														1				1	1							

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Thrombosis										2																

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ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073	00074	00075	males (cont...)
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	3	3	2	2	2	2	3	3	2	2	2	2	2	2	1	2	2	3	3	3	2	2	2		3	
Infiltration Cellular																										
Artery, Hypertrophy																										
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia	1																									
Hypertrophy	1																									
Vacuolization Cytoplasmic										3																
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia					3			2		3		4				3					2		4			
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Angiectasis																	2									
Pars Distalis, Hyperplasia	1		4		2		1			2			2		1	2				2	2		1	1	2	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia			1			1			1													1	1			
Follicular Cell, Hypertrophy																							1			

GENERAL BODY SYSTEM

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

FISCHER 344 RATS MALE																										
400 PPM DAY ON TEST	072	072	072	072	072	062	072	072	072	067	072	070	072	072	072	068	072	061	072	072	061	072	072	072	072	**males (cont...)**
ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073	00074	00075	
NONE																										
GENITAL SYSTEM																										
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation				1								2														
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia								1																		
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation	2		1	1		1	1		1		2			1		2		2	1	1		1				
Epithelium, Hyperplasia									1		3								1							
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Germinal Epithelium, Degeneration																					4					
Interstitial Cell, Hyperplasia																										
Rete Testes, Cyst																										
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia				1					1		1				3			3	1	2	3	2	1		1	
Inflammation																										
Myelofibrosis																		2								
Lymph Node										+						+										
Mediastinal, Infiltration Cellular, Plasma Cell																										

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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FISCHER 344 RATS MALE

400 PPM

DAY ON TEST	726	726	726	726	726	624	726	726	726	673	727	701	727	727	727	684	726	613	726	726	617	727	727	727	727	
ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073	00074	00075	males (cont...)
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ectasia		3																								
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hematopoietic Cell Proliferation										2		1								2	2					
Hyperplasia, Histiocytic																										
Hyperplasia, Lymphoid																										
Pigmentation, Hemosiderin							1																			
Lymphoid Follicle, Atrophy																										
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	3	4	3	3	3	4	4	3	3	3	3	4	3	4	3		3	4	4	3	3	3	3	4	3	
Hyperplasia, Lymphoid																										
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrosis																										
Hyperplasia																										
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation																										
Ulcer																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hypertrophy															2											

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FISCHER 344 RATS MALE 400 PPM																										
DAY ON TEST	726	726	726	726	726	624	726	726	726	673	727	701	727	727	727	684	726	613	726	726	617	727	727	727	727	**males (cont...)**
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	
Skeletal Muscle						+																				
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage		2																								
Mineralization																										
Necrosis																										
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrosis																										
Inflammation, Chronic Active					1										1						1					
Thrombosis																		1								
Alveolar Epithelium, Hyperplasia		1			1																					
Alveolus, Infiltration Cellular, Histiocyte								1				2														
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body								X																		
Inflammation	1	2	2		1			3		4		2	2	1		1		3				1				
Olfactory Epithelium, Necrosis										2																
Respiratory Epithelium, Hyperplasia																										
Respiratory Epithelium, Necrosis										3																
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lens, Cataract																										

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DAY ON TEST	726	726	726	726	726	624	726	726	726	673	727	701	727	727	727	684	726	613	726	726	617	727	727	727	727	
FISCHER 344 RATS MALE 400 PPM ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073	00074	00075	**males (cont...)**
Retina, Degeneration																										
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																				1						
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accumulation, Hyaline Droplet												4														
Infarct												1												1		
Nephropathy	2	3	3	2	3	2	4	2	2	2	3	2	2	3	2	1	3	2	3	2	1	3	3	2	2	
Pelvis, Inflammation																										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Transitional Epithelium, Hyperplasia																									1	

FISCHER 344 RATS MALE

400 PPM

DAY ON TEST	727	727	727	727	546	635	727	727	726	726	553	726	474	726	727	727	553	727	727	727	726	726	726	726	726	
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
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parasite Metazoan				X																X				X		**9**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis	1																	1					1			**5 1.0**
Basophilic Focus	X			X					X	X		X	X	X	X	X		X	X	X	X		X	X	X	**29**
Clear Cell Focus		X		X			X			X				X	X	X		X		X	X		X	X	X	**25**
Degeneration, Cystic	2						1															1				**9 1.3**
Eosinophilic Focus			X					X	X			X		X		X		X	X	X	X	X	X			**19**
Fatty Change, Diffuse						3											1				2					**6 1.5**
Fibrosis																										**1 1.0**
Hematopoietic Cell Proliferation									1																	**3 1.0**
Hepatodiaphragmatic Nodule			X							X					X					X			X			**5**
Inflammation, Chronic Active	1	1	1	1			1	2	1	1		1	1	1	1	1		1	1	1	1	1	1	1	1	**40 1.1**
Mixed Cell Focus	X	X		X			X		X	X				X		X				X	X	X			X	**19**
Necrosis																										**1 2.0**

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FISCHER 344 RATS MALE

400 PPM

DAY ON TEST	727	727	727	727	546	635	727	727	726	726	553	726	474	726	727	727	553	727	727	727	726	726	726	726	726	* TOTALS	
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		
Regeneration																										**1**	**2.0**
Bile Duct, Hyperplasia	2	2	1	2	1		2	1	1	1	1	1		1	2	1	1	1	1	2	2	2	2	1	2	**46**	**1.3**
Mesentery											+										+					**5**	
Fat, Necrosis											2										1					**4**	**1.3**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Acinus, Atrophy	1	1	1	1	3	1	1	2		1	1	1		1	1			1	2					1	1	**33**	**1.4**
Acinus, Hyperplasia																							2			**2**	**2.5**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Atrophy																										**1**	**2.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Erosion																										**1**	**1.0**
Inflammation	1		4			3																				**4**	**2.3**
Ulcer			2			2																				**2**	**2.0**
Epithelium, Hyperplasia			3			2																				**3**	**2.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Erosion																										**1**	**2.0**
Inflammation																	2									**1**	**2.0**
Tooth			+																							**4**	
Malformation			1																							**4**	**1.0**

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Thrombosis																										**1**	**2.0**

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FISCHER 344 RATS MALE

400 PPM

DAY ON TEST	727	727	727	727	546	635	727	727	726	726	553	726	474	726	727	727	553	727	727	727	726	726	726	726	726	* TOTALS	
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		
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cardiomyopathy	2	3	3	2	1	2	2	3	2	2	2	3	2	2	3	2	2	2	3	3	2	2	2	3	2		**49 2.3**
Infiltration Cellular												3															**1 3.0**
Artery, Hypertrophy											3																**1 3.0**
ENDOCRINE SYSTEM																											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia																									1		**2 1.0**
Hypertrophy																											**1 1.0**
Vacuolization Cytoplasmic						3											3										**3 3.0**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia			1				4										3		4								**11 3.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia																				2							**1 2.0**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Pars Distalis, Angiectasis																											**1 2.0**
Pars Distalis, Hyperplasia		3						1	1	1	1				2		2	1		1		2		3	2		**25 1.7**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
C-cell, Hyperplasia	1	2		1	3				3			1				3					1			1			**14 1.5**
Follicular Cell, Hypertrophy																											**1 1.0**

GENERAL BODY SYSTEM

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FISCHER 344 RATS MALE 400 PPM																										
DAY ON TEST	0727	0727	0727	0727	0546	0635	0727	0727	0726	0726	0553	0726	0474	0726	0727	0727	0553	0727	0727	0727	0726	0726	0726	0726	0726	
ANIMAL ID	00076	00077	00078	00079	00080	00081	00082	00083	00084	00085	00086	00087	00088	00089	00090	00091	00092	00093	00094	00095	00096	00097	00098	00099	00100	* TOTALS
NONE																										
GENITAL SYSTEM																										
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation																		2								**3 1.7**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																										**1 1.0**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation	1		2			1	1		1		1	2	1		1	1	3		2			2	1	2	2	**29 1.4**
Epithelium, Hyperplasia																										**3 1.7**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Germinal Epithelium, Degeneration					2					4																**3 3.3**
Interstitial Cell, Hyperplasia			3		3					1														1		**4 2.0**
Rete Testes, Cyst															4											**1 4.0**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia	1		1	1	4	4		1				1	4		1	1				1	1				2	**24 1.8**
Inflammation												1														**1 1.0**
Myelofibrosis																										**1 2.0**
Lymph Node					+	+											+									**5**
Mediastinal, Infiltration Cellular, Plasma Cell						2																				**1 2.0**

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FISCHER 344 RATS MALE

400 PPM

DAY ON TEST	0727	0727	0727	0727	0546	0635	0727	0727	0726	0726	0553	0726	0474	0726	0727	0727	0553	0727	0727	0727	0726	0726	0726	0726	0726		
ANIMAL ID	00076	00077	00078	00079	00080	00081	00082	00083	00084	00085	00086	00087	00088	00089	00090	00091	00092	00093	00094	00095	00096	00097	00098	00099	00100	* TOTALS	
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	**0**	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Ectasia																										**1**	**3.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hematopoietic Cell Proliferation						3							2													**6**	**2.0**
Hyperplasia, Histiocytic																									2	**1**	**2.0**
Hyperplasia, Lymphoid	2																									**1**	**2.0**
Pigmentation, Hemosiderin			1								1												1			**4**	**1.0**
Lymphoid Follicle, Atrophy											4															**1**	**4.0**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Atrophy	3	3	3	3	3	3	3	3	3	3		3	3	4	3	3	3	3	3	3		3	3		3	**46**	**3.2**
Hyperplasia, Lymphoid																								2		**1**	**2.0**
INTEGUMENTARY SYSTEM																											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Fibrosis																						2				**1**	**2.0**
Hyperplasia																							2			**1**	**2.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation																								3		**1**	**3.0**
Ulcer																								1		**1**	**1.0**
MUSCULOSKELETAL SYSTEM																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hypertrophy																										**1**	**2.0**

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FISCHER 344 RATS MALE 400 PPM																										
DAY ON TEST	0727	0727	0727	0727	0546	0635	0727	0727	0726	0726	0553	0726	0474	0726	0727	0727	0553	0727	0727	0727	0726	0726	0726	0726	0726	
ANIMAL ID	00076	00077	00078	00079	00080	00081	00082	00083	00084	00085	00086	00087	00088	00089	00090	00091	00092	00093	00094	00095	00096	00097	00098	00099	00100	* TOTALS
Skeletal Muscle																										**1**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage					3												3									**3 2.7**
Mineralization													1													**1 1.0**
Necrosis																	2									**1 2.0**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Fibrosis					2																					**1 2.0**
Inflammation, Chronic Active												2														**4 1.3**
Thrombosis																										**1 1.0**
Alveolar Epithelium, Hyperplasia			1	1			2			1			1			1				1	2			2		**11 1.3**
Alveolus, Infiltration Cellular, Histiocyte		1			3					1																**5 1.6**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body						X																				**2**
Inflammation	1					3	1			2						1	2								3	**19 1.9**
Olfactory Epithelium, Necrosis																										**1 2.0**
Respiratory Epithelium, Hyperplasia																									3	**1 3.0**
Respiratory Epithelium, Necrosis																										**1 3.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Lens, Cataract																							3	4		**2 3.5**

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2) Mild 4) Marked

FISCHER 344 RATS MALE

400 PPM

DAY ON TEST	727	727	727	727	546	635	727	727	726	726	553	726	474	726	727	727	553	727	727	727	726	726	726	726	726		
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	
Retina, Degeneration																							4	4	1	**3**	**3.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia																							2			**2**	**1.5**
URINARY SYSTEM																											
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Accumulation, Hyaline Droplet																										**1**	**4.0**
Infarct																										**2**	**1.0**
Nephropathy	3	3	4	3	2	2	3	2	3	1	1	3	1	3	2	2	2	2	4	2	3	2	3	2	3	**50**	**2.4**
Pelvis, Inflammation																	2									**1**	**2.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Transitional Epithelium, Hyperplasia																										**1**	**1.0**

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FISCHER 344 RATS MALE

800 PPM

DAY ON TEST	727	575	727	727	727	727	726	726	726	727	727	534	565	727	617	694	727	727	295	726	726	727	727	727	377	males (cont...)
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	
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan											X										X					
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis									1																	
Basophilic Focus	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	1				1											1		1		1						
Eosinophilic Focus	X		X			X	X	X	X	X	X							X		X		X				
Fatty Change, Diffuse													2												2	
Fibrosis																1										
Hematopoietic Cell Proliferation															1										1	
Hepatodiaphragmatic Nodule							X																			
Inflammation, Chronic Active	1	1	1	1	1	1	1	1	1	1				2	1		2	1		2	1	1	1	1		
Mixed Cell Focus			X				X		X													X				
Necrosis																2	1		1							

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FISCHER 344 RATS MALE

800 PPM

DAY ON TEST	727	575	727	727	727	727	726	726	726	727	727	534	565	727	617	694	727	727	295	726	726	727	727	727	377	
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	males (cont...)
Pigmentation, Hemosiderin																								1		
Bile Duct, Hyperplasia	2	1	2	1	1	1	1	1	1	1	2	1			1	2		1		1	1	2	1	1		
Mesentery								+								+					+			+		
Fat, Necrosis																					1			2		
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation																										
Necrosis																										
Acinus, Atrophy			1	1		1	3	2		1	1						1			1		1		1		
Acinus, Hyperplasia					1																					
Duct, Inflammation													2													
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrosis					1																					
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation		2										2														
Ulcer		2										3														
Epithelium, Hyperplasia		2											1													
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion													3													
Inflammation		1										1	1													
Tooth			+																							
Malformation			1																							

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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800 PPM

DAY ON TEST	727	575	727	727	727	727	726	726	726	727	727	534	565	727	617	694	727	727	295	726	726	727	727	727	377	males (cont...)
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	
Inflammation																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	2	2	2	2	2	2	3	3	3	3	2	2	1	1	2	2	2	2	2	2	3	3	2	3		
Atrium, Thrombosis																1										
Epicardium, Inflammation														1												
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration, Cystic														1												
Hyperplasia																										
Hypertrophy									1																	
Necrosis																										
Vacuolization Cytoplasmic													3												3	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																1										
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																				3						
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Hyperplasia							2			2			1		1		1					2	3			
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia		1		1						1				1							1	1		1		
GENERAL BODY SYSTEM																										

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FISCHER 344 RATS MALE																										
800 PPM DAY ON TEST	0727	0575	0727	0727	0727	0727	0726	0726	0726	0727	0727	0534	0565	0727	0617	0694	0727	0727	0295	0726	0726	0727	0727	0727	0377	
ANIMAL ID	0010 1	0010 2	0010 3	0010 4	0010 5	0010 6	0010 7	0010 8	0010 9	0011 0	0011 1	0011 2	0011 3	0011 4	0011 5	0011 6	0011 7	0011 8	0011 9	0012 0	0012 1	0012 2	0012 3	0012 4	0012 5	**males (cont...)**
NONE																										
GENITAL SYSTEM																										
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation																										
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation		3		2		2			2	1	2	2	2	2	4			2			1		1	2	3	
Epithelium, Hyperplasia					1													1				2	2			
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Germinal Epithelium, Degeneration						2						2													3	
Interstitial Cell, Hyperplasia		2				1						1			4						3				2	
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia	1				2		1							3	4	3	1	2	1	2		1			3	
Necrosis																		1								
Lymph Node													+	+							+					
Deep Cervical, Ectasia																					2					
Mediastinal, Infiltration Cellular, Plasma Cell														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	

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FISCHER 344 RATS MALE

800 PPM

DAY ON TEST	727	575	727	727	727	727	726	726	726	727	727	534	565	727	617	694	727	727	295	726	726	727	727	727	377	males (cont...)
ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hematopoietic Cell Proliferation															2	3									2	
Hyperplasia, Histiocytic					2												2			4	2					
Hyperplasia, Lymphoid																	3									
Necrosis																2										
Pigmentation, Hemosiderin		1				1						2														
Lymphoid Follicle, Atrophy		2																								
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	3	4	3	4	4	3	3	3	4	3	3	3	4	4	3	4	3	3		3	3	3	3	3	3	
Necrosis																			2							
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																					2		2			
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage													3						2							

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FISCHER 344 RATS MALE 800 PPM																									
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ANIMAL ID	0010 1	0010 2	0010 3	0010 4	0010 5	0010 6	0010 7	0010 8	0010 9	0011 0	0011 1	0011 2	0011 3	0011 4	0011 5	0011 6	0011 7	0011 8	0011 9	0012 0	0012 1	0012 2	0012 3	0012 4	0012 5
Necrosis												1													
RESPIRATORY SYSTEM																									
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atelectasis																									
Inflammation, Chronic Active						1							1												
Alveolar Epithelium, Hyperplasia	1							1														1			
Alveolus, Infiltration Cellular, Histiocyte						1																1	1		
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation	3							2					1			2		2			2				
Respiratory Epithelium, Hyperplasia													2												
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lens, Cataract																									
Retina, Degeneration																									
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Zymbal's Gland																					+				
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nephropathy	3	1	3	3	2	1	3	2	4	3	4	2	2	2	3	2	2	4		3	2	3	2	2	1
Cortex, Cyst																									

males (cont...)

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FISCHER 344 RATS MALE

800 PPM

DAY ON TEST	727	575	727	727	727	727	726	726	726	727	727	534	565	727	617	694	727	727	295	726	726	727	727	727	377	
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	males (cont...)
Pelvis, Inflammation																								2		
Pelvis, Transitional Epithelium, Hyperplasia																		1								
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation													2												2	
Necrosis													3													

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FISCHER 344 RATS MALE

800 PPM

DAY ON TEST	072	072	072	072	061	051	072	072	072	072	072	069	072	072	072	072	072	072	072	005	072	072	072	072	072	
ANIMAL ID	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	026	027	028	029	030	* TOTALS
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parasite Metazoan																										**2**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis																										**1 1.0**
Basophilic Focus	X	X		X			X	X	X	X	X		X		X		X						X	X	X	**25**
Clear Cell Focus	X	X	X	X			X	X	X	X	X						X	X	X				X	X	X	**27**
Degeneration, Cystic		1									1	2			1			2			1					**11 1.2**
Eosinophilic Focus	X	X		X			X	X		X	X				X		X	X	X							**22**
Fatty Change, Diffuse					3																					**3 2.3**
Fibrosis																										**1 1.0**
Hematopoietic Cell Proliferation							1									1										**4 1.0**
Hepatodiaphragmatic Nodule		X																			X					**3**
Inflammation, Chronic Active	1	1	1	1	1		1	1		1			2	1	1	1	1	1	1	1		1	1		1	**38 1.1**
Mixed Cell Focus			X				X	X	X				X		X		X						X			**12**
Necrosis						1						3														**5 1.6**

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BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
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2) Mild 4) Marked

FISCHER 344 RATS MALE

800 PPM

DAY ON TEST	726	726	726	726	614	513	726	726	726	726	726	693	727	727	727	727	727	726	726	057	727	727	727	726	726	
ANIMAL ID	0012 6	0012 7	0012 8	0012 9	0013 0	0013 1	0013 2	0013 3	0013 4	0013 5	0013 6	0013 7	0013 8	0013 9	0014 0	0014 1	0014 2	0014 3	0014 4	0014 5	0014 6	0014 7	0014 8	0014 9	0015 0	* TOTALS
Pigmentation, Hemosiderin																										**1 1.0**
Bile Duct, Hyperplasia		2	1	1	1	1	2	1	2	2		3	2	1	2	1	2	2	2		2	1	1	2	1	**42 1.4**
Mesentery												+			+							+				**7**
Fat, Necrosis												1			2							2				**5 1.6**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation												3														**1 3.0**
Necrosis												3														**1 3.0**
Acinus, Atrophy				1	1	1	1		2		1	1		1	1		3	2	1		1		1	4		**26 1.4**
Acinus, Hyperplasia																										**1 1.0**
Duct, Inflammation																										**1 2.0**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Fibrosis																										**1 1.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation																										**2 2.0**
Ulcer																										**2 2.5**
Epithelium, Hyperplasia																										**2 1.5**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Erosion																										**1 3.0**
Inflammation																										**3 1.0**
Tooth																										**1**
Malformation																										**1 1.0**

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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FISCHER 344 RATS MALE

800 PPM

DAY ON TEST	0726	0726	0726	0726	0614	0513	0726	0726	0726	0726	0726	0693	0727	0727	0727	0727	0727	0726	0726	0057	0727	0727	0727	0726	0726		
ANIMAL ID	0012 6	0012 7	0012 8	0012 9	0013 0	0013 1	0013 2	0013 3	0013 4	0013 5	0013 6	0013 7	0013 8	0013 9	0014 0	0014 1	0014 2	0014 3	0014 4	0014 5	0014 6	0014 7	0014 8	0014 9	0015 0	* TOTALS	
Inflammation														1			1									2	1.0
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Cardiomyopathy	2	3	2	3	2	2	3	2	2	2	2	3	2	2	2	2	2	2	3		2	2	3	3	2	48	2.3
Atrium, Thrombosis																										1	1.0
Epicardium, Inflammation																										1	1.0
ENDOCRINE SYSTEM																											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Degeneration, Cystic																										1	1.0
Hyperplasia	1							1									1					1				4	1.0
Hypertrophy																		1								2	1.0
Necrosis						3						1														2	2.0
Vacuolization Cytoplasmic																										2	3.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia					1																1					3	1.0
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia																										1	3.0
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Pars Distalis, Hyperplasia					2		1							3			1						1		1	13	1.6
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
C-cell, Hyperplasia	1					1									3		4		1						1	13	1.4

GENERAL BODY SYSTEM

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FISCHER 344 RATS MALE 800 PPM																										
DAY ON TEST	072	072	072	072	061	051	072	072	072	072	072	069	072	072	072	072	072	072	072	057	072	072	072	072	072	
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
NONE																										
GENITAL SYSTEM																										
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation					3																					**1 3.0**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation			1			1	1							1			1				1		2			**22 1.8**
Epithelium, Hyperplasia	1	1						3		1							1									**9 1.4**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Germinal Epithelium, Degeneration				4																						**4 2.8**
Interstitial Cell, Hyperplasia						3								4												**8 2.5**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia	2		1			3				1	1		1		1	1		1			2	3	1			**24 1.8**
Necrosis												2														**2 1.5**
Lymph Node																										**3**
Deep Cervical, Ectasia																										**1 2.0**
Mediastinal, Infiltration Cellular, Plasma Cell																										**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**

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FISCHER 344 RATS MALE

800 PPM

DAY ON TEST	072	072	072	072	061	051	072	072	072	072	072	069	072	072	072	072	072	072	072	005	072	072	072	072	072	* TOTALS	
ANIMAL ID	0012 6	0012 7	0012 8	0012 9	0013 0	0013 1	0013 2	0013 3	0013 4	0013 5	0013 6	0013 7	0013 8	0013 9	0014 0	0014 1	0014 2	0014 3	0014 4	0014 5	0014 6	0014 7	0014 8	0014 9	0015 0		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hematopoietic Cell Proliferation																						4				**4**	**2.8**
Hyperplasia, Histiocytic	2												1													**6**	**2.2**
Hyperplasia, Lymphoid	2	2																					2			**4**	**2.3**
Necrosis																										**1**	**2.0**
Pigmentation, Hemosiderin					1																					**4**	**1.3**
Lymphoid Follicle, Atrophy																										**1**	**2.0**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Atrophy	4	3	3	3	4		3	3	4	3	3	4	3	3	3	3	3	3	4		3	3	3	3	3	**47**	**3.3**
Necrosis																										**1**	**2.0**
INTEGUMENTARY SYSTEM																											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia						1																				**3**	**1.7**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cyst Epithelial Inclusion														X												**1**	
MUSCULOSKELETAL SYSTEM																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
NERVOUS SYSTEM																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hemorrhage												2														**3**	**2.3**

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FISCHER 344 RATS MALE

800 PPM

DAY ON TEST	072	072	072	072	061	051	072	072	072	072	072	069	072	072	072	072	072	072	072	005	072	072	072	072	072	* TOTALS	
ANIMAL ID	0012 6	0012 7	0012 8	0012 9	0013 0	0013 1	0013 2	0013 3	0013 4	0013 5	0013 6	0013 7	0013 8	0013 9	0014 0	0014 1	0014 2	0014 3	0014 4	0014 5	0014 6	0014 7	0014 8	0014 9	0015 0		
Necrosis																										**1**	**1.0**
RESPIRATORY SYSTEM																											
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Atelectasis																				X						**1**	
Inflammation, Chronic Active						1																1				**4**	**1.0**
Alveolar Epithelium, Hyperplasia							4									2										**5**	**1.8**
Alveolus, Infiltration Cellular, Histiocyte											1															**4**	**1.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation				1			1	1	2	1	1			1	1			2			1	1	1	1	1	**20**	**1.4**
Respiratory Epithelium, Hyperplasia																										**1**	**2.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
SPECIAL SENSES SYSTEM																											
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Lens, Cataract																						4				**1**	**4.0**
Retina, Degeneration																						4				**1**	**4.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Zymbal's Gland																										**1**	
URINARY SYSTEM																											
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Nephropathy	2	2	2	3	2	2	3	2	2	3	2	3	2	2	3	2	3	3	2		2	2	2	2	3	**48**	**2.4**
Cortex, Cyst		2																								**1**	**2.0**

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FISCHER 344 RATS MALE

800 PPM

DAY ON TEST	072	072	072	072	061	051	072	072	072	072	072	069	072	072	072	072	072	072	072	005	072	072	072	072	072	
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
Pelvis, Inflammation																										1 2.0
Pelvis, Transitional Epithelium, Hyperplasia																										1 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Inflammation																										2 2.0
Necrosis																										1 3.0

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FISCHER 344 RATS MALE 1600 PPM																										
DAY ON TEST	727	727	727	726	726	726	727	727	727	727	727	727	727	727	727	727	727	727	726	726	726	727	727	186	726	
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	males (cont...)
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan			X		X	X															X					
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis				1					1		1				1											
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	X			X		X	
Degeneration, Cystic	1		2				1											1							1	
Eosinophilic Focus	X	X		X				X	X		X	X		X	X	X	X		X	X		X	X			
Fibrosis																									1	
Hematopoietic Cell Proliferation																										
Hepatodiaphragmatic Nodule	X		X																							
Inflammation, Chronic Active	1		1	1	1	1	1	2	1	1	1	1	2	1	1		1	1	1	1	1		1		1	
Mixed Cell Focus	X		X		X	X		X	X						X	X		X		X	X		X		X	
Necrosis																	1							3		
Bile Duct, Hyperplasia	1	2	1	2	1	1	1	1	2	1	2	1	2	1	1	2	1	1	2	1	2	1	2		1	

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DAY ON TEST	727	727	727	726	726	726	727	727	727	727	727	727	727	727	727	727	727	727	727	726	726	727	727	186	726	
FISCHER 344 RATS MALE 1600 PPM 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	**males (cont...)**
Bile Duct, Inflammation, Suppurative																										
Mesentery											+															
Fat, Necrosis											2															
Oral Mucosa																										
Hyperplasia																										
Inflammation, Chronic Active																										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Acinus, Atrophy	1	2		1	2	1						3	1		1		1	1	1		1	2			1	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Duct, Cyst																										
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Dysplasia																							1			
Fibrosis																				2						
Inflammation																				1						
Ulcer																										
Epithelium, Hyperplasia																							1			
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion																								2		
Tooth	+																+									
Malformation	1																1									
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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FISCHER 344 RATS MALE																										
1600 PPM DAY ON TEST	0727	0727	0727	0726	0726	0726	0727	0727	0727	0727	0727	0727	0727	0727	0727	0727	0727	0727	0726	0726	0726	0727	0727	0186	0726	
ANIMAL ID	0015 1	0015 2	0015 3	0015 4	0015 5	0015 6	0015 7	0015 8	0015 9	0016 0	0016 1	0016 2	0016 3	0016 4	0016 5	0016 6	0016 7	0016 8	0016 9	0017 0	0017 1	0017 2	0017 3	0017 4	0017 5	**males (cont...)**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	3	2	2	2	3	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2		2	
Atrium, Thrombosis																										
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration, Cystic		1									1															
Hyperplasia	1																									
Vacuolization Cytoplasmic																										
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia		3		2									3													
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	M	M	M	M	M	+	M	+	+	M	+	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Hyperplasia								1		1		2	1						1	1					3	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia	1		2	1	1											2										
Follicle, Cyst																										
GENERAL BODY SYSTEM																										
NONE																										
GENITAL SYSTEM																										

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2) Mild 4) Marked

FISCHER 344 RATS MALE

1600 PPM

DAY ON TEST	727	727	727	726	726	726	727	727	727	727	727	727	727	727	727	727	727	727	727	726	726	726	727	727	186	726	
ANIMAL ID	0015 1	0015 2	0015 3	0015 4	0015 5	0015 6	0015 7	0015 8	0015 9	0016 0	0016 1	0016 2	0016 3	0016 4	0016 5	0016 6	0016 7	0016 8	0016 9	0017 0	0017 1	0017 2	0017 3	0017 4	0017 5		**males (cont...)**
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Hyperplasia									2																		
Inflammation																											
Duct, Ectasia																											
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Inflammation				1				1	1				1	1	1					1			1				
Epithelium, Hyperplasia																					1		1				
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
HEMATOPOIETIC SYSTEM																											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Hyperplasia	2	3	1	1	1	1	2	2		2	1	1	2		1	1	1	2	1	1	1	4	1				
Inflammation, Granulomatous													3												2		
Lymph Node																						+					
Pancreatic, Inflammation																											
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Atrophy																					3						
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Accessory Spleen																											

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FISCHER 344 RATS MALE 1600 PPM																										
DAY ON TEST	727	727	727	726	726	726	727	727	727	727	727	727	727	727	727	727	727	727	726	726	726	727	727	186	726	males (cont...)
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	
Hematopoietic Cell Proliferation		1												2												
Hyperplasia, Histiocytic													3					3								
Hyperplasia, Lymphoid																										
Pigmentation, Hemosiderin				1					1															1		
Lymphoid Follicle, Atrophy																								4		
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	3	4	3	3	3	3	3	4	3	3	4	4	3	3	3	3	3	4	3	3	4	3	4		3	
Necrosis																								3		
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion					X												X									
Cyst Epithelial Inclusion, Multifocal																										
Epidermis, Hyperkeratosis																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Gliosis, Focal																										
Hemorrhage																										
Infiltration Cellular, Mononuclear Cell																										

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FISCHER 344 RATS MALE																										
1600 PPM DAY ON TEST	0727	0727	0727	0726	0726	0726	0727	0727	0727	0727	0727	0727	0727	0727	0727	0727	0727	0727	0726	0726	0726	0727	0727	0186	0726	
ANIMAL ID	0015 1	0015 2	0015 3	0015 4	0015 5	0015 6	0015 7	0015 8	0015 9	0016 0	0016 1	0016 2	0016 3	0016 4	0016 5	0016 6	0016 7	0016 8	0016 9	0017 0	0017 1	0017 2	0017 3	0017 4	0017 5	**males (cont...)**
Spinal Cord																										
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrosis																										
Inflammation, Chronic Active		3																								
Alveolar Epithelium, Hyperplasia				1				1								2				1						
Alveolar Epithelium, Metaplasia, Squamous																										
Alveolus, Infiltration Cellular, Histiocyte		1																							1	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation		2			2		1	2		1		1	1	2		1		1	1				1			
Olfactory Epithelium, Metaplasia																							1			
Respiratory Epithelium, Hyperplasia							2																1			
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Retina, Degeneration										3																
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration																										
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infarct																										
Nephropathy	3	3	2	3	2	2	2	2	2	2	2	2	2	2	3	1	2	2	2	3	3	3	3		2	

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FISCHER 344 RATS MALE

1600 PPM

DAY ON TEST	727	727	727	726	726	726	727	727	727	727	727	727	727	727	727	727	727	727	727	726	726	726	727	727	186	726	
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		**males (cont...)**
Pelvis, Transitional Epithelium, Hyperplasia	1																										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		

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FISCHER 344 RATS MALE

1600 PPM

DAY ON TEST	726	726	726	726	726	677	726	726	726	726	726	726	726	680	727	727	727	621	727	727	726	684	726	726	559	
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
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parasite Metazoan															X											**5**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis													1			2	1		1			1				**9 1.1**
Basophilic Focus	X	X	X	X	X	X			X		X	X	X	X	X	X			X		X			X	X	**34**
Clear Cell Focus	X		X	X	X			X	X	X	X		X		X	X	X		X	X	X			X		**33**
Degeneration, Cystic				1	1						1									1						**9 1.1**
Eosinophilic Focus	X	X	X		X		X	X	X	X		X	X		X	X	X		X	X	X		X	X		**33**
Fibrosis																										**1 1.0**
Hematopoietic Cell Proliferation																									1	**1 1.0**
Hepatodiaphragmatic Nodule																										**2**
Inflammation, Chronic Active	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1		1	1		**43 1.0**
Mixed Cell Focus	X			X	X							X	X						X		X					**20**
Necrosis								1													1					**4 1.5**
Bile Duct, Hyperplasia	1	1	1	1	2	1	1	1	1	1	1	2	1	1	2	2	2	1	1		1	1	2	2	1	**48 1.3**

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ANIMAL ID	0017 6	0017 7	0017 8	0017 9	0018 0	0018 1	0018 2	0018 3	0018 4	0018 5	0018 6	0018 7	0018 8	0018 9	0019 0	0019 1	0019 2	0019 3	0019 4	0019 5	0019 6	0019 7	0019 8	0019 9	0020 0	* TOTALS	
Bile Duct, Inflammation, Suppurative												2														**1**	**2.0**
Mesentery	+	+								+																**4**	
Fat, Necrosis	1	3								1																**4**	**1.8**
Oral Mucosa														+												**1**	
Hyperplasia														4												**1**	**4.0**
Inflammation, Chronic Active														4												**1**	**4.0**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Acinus, Atrophy			1	3	1	2	1	1						1		1		1	1	3		1	1		1	**28**	**1.4**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Duct, Cyst																				4						**1**	**4.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Dysplasia																										**1**	**1.0**
Fibrosis																										**1**	**2.0**
Inflammation																		2								**2**	**1.5**
Ulcer																		3								**1**	**3.0**
Epithelium, Hyperplasia																						3				**2**	**2.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Erosion																										**1**	**2.0**
Tooth									+						+									+		**5**	
Malformation									1						1									1		**5**	**1.0**

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	

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FISCHER 344 RATS MALE

1600 PPM

DAY ON TEST	726	726	726	726	726	677	726	726	726	726	726	726	726	680	727	727	727	621	727	727	726	684	726	726	559	
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
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cardiomyopathy	2	2	2	2	3	3	3	2	2	2	3	2	2	2	3	2	2	1	2	3	2	2	2	2	1	49 2.1
Atrium, Thrombosis															2											1 2.0
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Degeneration, Cystic																										2 1.0
Hyperplasia																										1 1.0
Vacuolization Cytoplasmic																						3				1 3.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia																										3 2.7
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Parathyroid Gland	+	+	+	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	M	M	M	M	+	+	+	37
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pars Distalis, Hyperplasia	1						1				2	1								2			1			13 1.4
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
C-cell, Hyperplasia		1		1			1			1		1				1	2			1	1					14 1.2
Follicle, Cyst																				1						1 1.0

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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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
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																										**1 2.0**
Inflammation												3														**1 3.0**
Duct, Ectasia		4																								**1 4.0**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation						2	1	1	1		1			1	1		1	2		1						**18 1.1**
Epithelium, Hyperplasia				1					1								1		1							**6 1.0**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia	2	1		1			1		2		1		1		1	1	3		1		1	4	2	2	4	**37 1.6**
Inflammation, Granulomatous												1														**3 2.0**
Lymph Node													+									+				**3**
Pancreatic, Inflammation													1													**1 1.0**
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**
Atrophy																										**1 3.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accessory Spleen										X																**1**

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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
Hematopoietic Cell Proliferation																									3	**3 2.0**
Hyperplasia, Histiocytic																										**2 3.0**
Hyperplasia, Lymphoid				2			2						2													**3 2.0**
Pigmentation, Hemosiderin						1												1								**5 1.0**
Lymphoid Follicle, Atrophy																										**1 4.0**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy	3	3	3	3	3	4	3	3	3	4	3	3	3	4	3	3	3	3	4	3	3	4	3	3	3	**49 3.2**
Necrosis																										**1 3.0**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia												2	1			1										**3 1.3**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst Epithelial Inclusion																										**2**
Cyst Epithelial Inclusion, Multifocal																					X					**1**
Epidermis, Hyperkeratosis		3																								**1 3.0**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Gliosis, Focal															2											**1 2.0**
Hemorrhage																						3				**1 3.0**
Infiltration Cellular, Mononuclear Cell	1																									**1 1.0**

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

FISCHER 344 RATS MALE

1600 PPM

DAY ON TEST	726	726	726	726	726	677	726	726	726	726	726	726	726	680	727	727	727	621	727	727	726	684	726	726	559	
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
Spinal Cord																					+					**1**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Fibrosis									1																	**1 1.0**
Inflammation, Chronic Active																								1		**2 2.0**
Alveolar Epithelium, Hyperplasia						1						2				2										**7 1.4**
Alveolar Epithelium, Metaplasia, Squamous													1													**1 1.0**
Alveolus, Infiltration Cellular, Histiocyte																										**2 1.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation			3	2					1			1		1					2	1						**19 1.4**
Olfactory Epithelium, Metaplasia			2																							**2 1.5**
Respiratory Epithelium, Hyperplasia					1											2								1		**5 1.4**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Retina, Degeneration																			2							**2 2.5**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Degeneration																		3								**1 3.0**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infarct																						1				**1 1.0**
Nephropathy	3	2	2	3	2	2	3	2	3	2	2	1	2	2	2	2	1	1	2	2	2	2	2	3	3	**49 2.2**

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FISCHER 344 RATS MALE																										
1600 PPM DAY ON TEST	0726	0726	0726	0726	0726	0677	0726	0726	0726	0726	0726	0726	0726	0680	0727	0727	0727	0621	0727	0727	0726	0684	0726	0726	0559	
ANIMAL ID	00176	00177	00178	00179	00180	00181	00182	00183	00184	00185	00186	00187	00188	00189	00190	00191	00192	00193	00194	00195	00196	00197	00198	00199	00200	*** TOTALS**
Pelvis, Transitional Epithelium, Hyperplasia																										**1 1.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

*** END OF MALE DATA ***

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FISCHER 344 RATS FEMALE

0 PPM

DAY ON TEST	728	728	085	728	728	728	728	728	728	728	727	727	727	727	580	727	512	727	641	727	659	728	728	728	728	
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	females (cont...)
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan												X							X							
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis	2																									
Basophilic Focus	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X		X	X	X	X	
Clear Cell Focus										X	X					X										
Eosinophilic Focus	X	X				X	X		X	X								X		X			X		X	
Fatty Change, Diffuse																										
Fibrosis																										
Hematopoietic Cell Proliferation								1						1			1									
Hepatodiaphragmatic Nodule	X																									
Inflammation, Chronic Active	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1				1		1	1	1	1	
Mixed Cell Focus																										
Necrosis																					3					
Bile Duct, Hyperplasia				1								1		1							1					

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FISCHER 344 RATS FEMALE 0 PPM																										
DAY ON TEST	728	728	085	728	728	728	728	728	728	728	727	727	727	727	580	727	512	727	641	727	659	728	728	728	728	
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	females (cont...)
Oval Cell, Hyperplasia																										
Mesentery								+				+												+		
Fat, Necrosis								2				2												4		
Oral Mucosa				+																						
Cyst																										
Inflammation																										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Acinus, Atrophy					1		1					1	1					1			1		1	1		
Acinus, Hyperplasia																										
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation																										
Ulcer																										
Epithelium, Hyperplasia																										
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion																										
Inflammation																										
Tooth																		+		+						
Malformation																		1		1						
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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FISCHER 344 RATS FEMALE

0 PPM

DAY ON TEST	728	728	085	728	728	728	728	728	728	728	727	727	727	727	580	727	512	727	641	727	659	728	728	728	728
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
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	2	2		2	2	3	2	2	2	1	2	1	1	1	2	1			2	1	2	2	2	2	2
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Degeneration, Cystic		1			1																			1	2
Hyperplasia						1		1				1	1	1		1						1	1	1	
Hypertrophy																									
Vacuolization Cytoplasmic																									
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia										1															
Necrosis																									
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																							1		
Pars Distalis, Angiectasis																									
Pars Distalis, Hyperplasia					1					1	1	3		2		3	3		2		2		1	1	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia		2		3	1			1		1		4								2		1			
GENERAL BODY SYSTEM																									
NONE																									

females (cont...)

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FISCHER 344 RATS FEMALE

0 PPM

DAY ON TEST	728	728	085	728	728	728	728	728	728	728	727	727	727	727	580	727	512	727	641	727	659	728	728	728	728	
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	females (cont...)
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy						1		1																		
Cyst										2																
Oviduct																							+			
Cyst																							3			
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Endometrium, Hyperplasia, Cystic							1																			
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia	1	2				2		1									4	3	1		4			2		
Myelofibrosis																										
Lymph Node																	+									
Mediastinal, Hyperplasia, Lymphoid																	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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hematopoietic Cell Proliferation																	3									
Hyperplasia, Histiocytic													3													

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FISCHER 344 RATS FEMALE 0 PPM																										
DAY ON TEST	728	728	085	728	728	728	728	728	728	728	727	727	727	727	580	727	512	727	641	727	659	728	728	728	728	**females (cont...)**
ANIMAL ID	0020 1	0020 2	0020 3	0020 4	0020 5	0020 6	0020 7	0020 8	0020 9	0021 0	0021 1	0021 2	0021 3	0021 4	0021 5	0021 6	0021 7	0021 8	0021 9	0022 0	0022 1	0022 2	0022 3	0022 4	0022 5	
Pigmentation, Hemosiderin	1	2		2	1	1	1	1	1	1	2	1	1	1	1	1		1		1		1	1	1	1	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	3			3	3	3	3	3	3	3	3	3		3	3	3	3	3	3	3	3	3	3	3	3	
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Galactocele																										
Hyperplasia						2														2						
Inflammation																										
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Osteopetrosis																										
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Gliosis, Focal	1																									
Hemorrhage																					1					
Infiltration Cellular, Mononuclear Cell									1																	
Mineralization				1																		1				
Pigmentation, Focal																										
Neuron, Depletion Cellular	1																									
White Matter, Vacuolization Cytoplasmic																										
RESPIRATORY SYSTEM																										

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FISCHER 344 RATS FEMALE

0 PPM

DAY ON TEST	728	728	085	728	728	728	728	728	728	728	727	727	727	727	580	727	512	727	641	727	659	728	728	728	728
ANIMAL ID	0020 1	0020 2	0020 3	0020 4	0020 5	0020 6	0020 7	0020 8	0020 9	0021 0	0021 1	0021 2	0021 3	0021 4	0021 5	0021 6	0021 7	0021 8	0021 9	0022 0	0022 1	0022 2	0022 3	0022 4	0022 5
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atelectasis			X																						
Alveolar Epithelium, Hyperplasia					1			1		1	1	1	1			1							1		1
Alveolus, Infiltration Cellular, Histiocyte		1		1						1		1		1		1		1				1	1		
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation											1							1	2		2				
Thrombosis																					3				
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lens, Cataract																									
Retina, Degeneration																									
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accumulation, Hyaline Droplet																									
Infarct							2																		
Nephropathy	3	2		2	1	2	1	1	1	1	2		1	1	1	1		1	1	1		1	1	1	1
Papilla, Necrosis				2																					
Pelvis, Inflammation																									
Pelvis, Transitional Epithelium, Hyperplasia																									
Renal Tubule, Dilatation				3																					
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

females (cont...)

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FISCHER 344 RATS FEMALE																										
DAY ON TEST	728	728	085	728	728	728	728	728	728	728	727	727	727	727	580	727	512	727	641	727	659	728	728	728	728	
0 PPM ANIMAL ID	00201	00202	00203	00204	00205	00206	00207	00208	00209	00210	00211	00212	00213	00214	00215	00216	00217	00218	00219	00220	00221	00222	00223	00224	00225	**females (cont...)**
Inflammation, Chronic Active																										
Transitional Epithelium, Hyperplasia													1													

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FISCHER 344 RATS FEMALE

0 PPM

DAY ON TEST	727	727	727	727	566	728	728	728	728	728	728	728	728	728	727	722	727	727	727	727	727	701	691	727	
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
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parasite Metazoan		X	X													X										**5**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis						2				3								1	1							**5 1.8**
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	**45**
Clear Cell Focus	X					X			X							X				X					X	**9**
Eosinophilic Focus	X	X	X	X				X	X			X		X		X		X	X	X					X	**23**
Fatty Change, Diffuse					1										3								2			**3 2.0**
Fibrosis								1																		**1 1.0**
Hematopoietic Cell Proliferation																										**3 1.0**
Hepatodiaphragmatic Nodule						X		X								X										**4**
Inflammation, Chronic Active	1		1	1	1	1	1	1	1		1	1	1	1		1	1	1	1	1	1	1		1	1	**41 1.0**
Mixed Cell Focus							X									X			X			X				**4**
Necrosis																							1			**2 2.0**
Bile Duct, Hyperplasia		2						1	1	1					1							1	1		1	**12 1.1**

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FISCHER 344 RATS FEMALE

0 PPM

DAY ON TEST	727	727	727	727	566	728	728	728	728	728	728	728	728	728	728	727	722	727	727	727	727	727	701	691	727	
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
Oval Cell, Hyperplasia																							2			**1 2.0**
Mesentery		+								+	+		+		+			+		+		+				**11**
Fat, Necrosis		2								1	1		2		2			1		1		2				**11 1.8**
Oral Mucosa						+																				**2**
Cyst						2																				**1 2.0**
Inflammation						2																				**1 2.0**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Acinus, Atrophy			1	1				1			1		2	1					1		1					**16 1.1**
Acinus, Hyperplasia															1											**1 1.0**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy							2																			**1 2.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation															3								2	4		**3 3.0**
Ulcer																							2	3		**2 2.5**
Epithelium, Hyperplasia															3								3	2		**3 2.7**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Erosion															2											**1 2.0**
Inflammation															2											**1 2.0**
Tooth										+					+										+	**5**
Malformation										1					1										1	**5 1.0**

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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FISCHER 344 RATS FEMALE

0 PPM

DAY ON TEST	727	727	727	727	566	728	728	728	728	728	728	728	728	728	728	727	722	727	727	727	727	727	701	691	727	
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
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cardiomyopathy	2	1	2	2	1	2	2	2	2	1	2	1	2	2	1	2	2	2	2	1	2	2	1	1	2	**47 1.7**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Degeneration, Cystic				1												1										**6 1.2**
Hyperplasia		1								1						1				2					3	**14 1.2**
Hypertrophy			1																							**1 1.0**
Vacuolization Cytoplasmic															3											**1 3.0**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia					2											1										**3 1.3**
Necrosis																							1			**1 1.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Parathyroid Gland	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cyst																										**1 1.0**
Pars Distalis, Angiectasis		2																								**1 2.0**
Pars Distalis, Hyperplasia	2		1					2	2	2	3			3	1	4				2	2		1		2	**24 2.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
C-cell, Hyperplasia	1	1		1		1	2		1	2	1	1	4	1	1	3		1		1		1	1			**25 1.6**

GENERAL BODY SYSTEM

NONE

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FISCHER 344 RATS FEMALE

0 PPM

DAY ON TEST	727	727	727	727	566	728	728	728	728	728	728	728	728	728	727	722	727	727	727	727	727	701	691	727	
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
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy																						3	4			**4 2.3**
Cyst	4			4																						**3 3.3**
Oviduct																										**1**
Cyst																										**1 3.0**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Endometrium, Hyperplasia, Cystic																					1					**2 1.0**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia	1	3					1					1			1					1		1				**16 1.8**
Myelofibrosis																							2			**1 2.0**
Lymph Node																							+			**2**
Mediastinal, Hyperplasia, Lymphoid																										**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**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hematopoietic Cell Proliferation																										**1 3.0**
Hyperplasia, Histiocytic												4														**2 3.5**

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0 PPM

DAY ON TEST	727	727	727	727	566	728	728	728	728	728	728	728	728	728	727	722	727	727	727	727	727	701	691	727		
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
Pigmentation, Hemosiderin			1	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1		2	1	**43 1.1**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		3	3	3	3	3	3	3	3	3	**46 3.0**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Galactocele																								4		**1 4.0**
Hyperplasia																										**2 2.0**
Inflammation							4																4			**2 4.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Osteopetrosis																							3			**1 3.0**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Gliosis, Focal																										**1 1.0**
Hemorrhage															1											**2 1.0**
Infiltration Cellular, Mononuclear Cell																										**1 1.0**
Mineralization																										**2 1.0**
Pigmentation, Focal														1												**1 1.0**
Neuron, Depletion Cellular																										**1 1.0**
White Matter, Vacuolization Cytoplasmic																							1			**1 1.0**
RESPIRATORY SYSTEM																										

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FISCHER 344 RATS FEMALE

0 PPM

DAY ON TEST	727	727	727	727	566	728	728	728	728	728	728	728	728	728	727	722	727	727	727	727	727	701	691	727	
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
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Atelectasis																										1
Alveolar Epithelium, Hyperplasia							1			1			1			2		2		1						15 1.1
Alveolus, Infiltration Cellular, Histiocyte			1			1		1						1				1	1				1			16 1.0
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Inflammation	1								1								1	1								8 1.3
Thrombosis																										1 3.0
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lens, Cataract																						2				1 2.0
Retina, Degeneration																						4	2			2 3.0
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Accumulation, Hyaline Droplet																							2			1 2.0
Infarct							2			3																3 2.3
Nephropathy	1	1	1	1	1	1	1	1	1	2			1		1	1		2	1	1	1	1	1		1	41 1.2
Papilla, Necrosis																										1 2.0
Pelvis, Inflammation							2			2																2 2.0
Pelvis, Transitional Epithelium, Hyperplasia										2																1 2.0
Renal Tubule, Dilatation																										1 3.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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FISCHER 344 RATS FEMALE

0 PPM

DAY ON TEST	727	727	727	727	566	728	728	728	728	728	728	728	728	728	727	722	727	727	727	727	727	701	691	727	
ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	* TOTALS
Inflammation, Chronic Active										1																**1 1.0**
Transitional Epithelium, Hyperplasia																										**1 1.0**

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FISCHER 344 RATS FEMALE

400 PPM

DAY ON TEST	727	727	727	727	727	727	727	727	727	666	645	727	727	727	727	509	727	727	727	727	728	728	676	578	728	
ANIMAL ID	00251	00252	00253	00254	00255	00256	00257	00258	00259	00260	00261	00262	00263	00264	00265	00266	00267	00268	00269	00270	00271	00272	00273	00274	00275	**females (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan									X												X					
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis		1				2			1											1						
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						
Degeneration, Cystic																										
Eosinophilic Focus	X		X		X	X	X	X	X	X			X		X				X	X		X			X	
Fatty Change, Diffuse																							2	2		
Hematopoietic Cell Proliferation			1													1										
Hepatodiaphragmatic Nodule		X					X			X		X														
Inflammation, Chronic Active	1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1		1	
Mixed Cell Focus						X																				
Necrosis																										
Tension Lipidosis																										

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FISCHER 344 RATS FEMALE																										
400 PPM DAY ON TEST	0727	0727	0727	0727	0727	0727	0727	0727	0727	0666	0645	0727	0727	0727	0727	0509	0727	0727	0727	0727	0728	0728	0676	0578	0728	
ANIMAL ID	00251	00252	00253	00254	00255	00256	00257	00258	00259	00260	00261	00262	00263	00264	00265	00266	00267	00268	00269	00270	00271	00272	00273	00274	00275	**females (cont...)**
Bile Duct, Hyperplasia		1	2		1	1	1					1			1			1	1							
Mesentery			+			+					+												+			
Fat, Necrosis			3			1					1												2			
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation								2																		
Metaplasia, Hepatocyte																										
Acinus, Atrophy	3				1	1															1					
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation																							3	3		
Ulcer																							3			
Epithelium, Hyperplasia											1									1			3	2		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ulcer																										
Tooth																				+						
Malformation																				1						
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	2	2	2	2	2	2	2	2	2	1	2	2	1	3	1	1	2	2	2	1	4	2	1	1	2	
ENDOCRINE SYSTEM																										

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400 PPM

DAY ON TEST	727	727	727	727	727	727	727	727	727	666	645	727	727	727	727	509	727	727	727	727	728	728	676	578	728	females (cont...)
ANIMAL ID	0025 1	0025 2	0025 3	0025 4	0025 5	0025 6	0025 7	0025 8	0025 9	0026 0	0026 1	0026 2	0026 3	0026 4	0026 5	0026 6	0026 7	0026 8	0026 9	0027 0	0027 1	0027 2	0027 3	0027 4	0027 5	
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration, Cystic															2						1				1	
Hyperplasia		1		1			1											1							2	
Necrosis																							1			
Thrombosis			1																							
Vacuolization Cytoplasmic											2													2		
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										
Pars Distalis, Angiectasis																										
Pars Distalis, Hyperplasia		2	1	3		4		1				3		2			1	1		2				2	3	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia	3	2	1	1	3	1		1	1		1	3					1	1							1	

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia														3				4								
Duct, Cyst	4																									

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FISCHER 344 RATS FEMALE

400 PPM

DAY ON TEST	727	727	727	727	727	727	727	727	727	666	645	727	727	727	727	509	727	727	727	727	728	728	676	578	728
ANIMAL ID	00251	00252	00253	00254	00255	00256	00257	00258	00259	00260	00261	00262	00263	00264	00265	00266	00267	00268	00269	00270	00271	00272	00273	00274	00275
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy										1															
Cyst	2	4						4													1				4
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage									2																
Inflammation														4											
Metaplasia, Squamous														2											
Endometrium, Hyperplasia, Cystic								1				1			1			2							
Venule, Hyperplasia																									
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia	2	1					1	2	1		3		1	1					1			1	4	4	
Myelofibrosis			4																						3
Lymph Node																								+	
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																									
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Spleen																	X								
Hematopoietic Cell Proliferation	1		3											1				1				1			
Hyperplasia, Histiocytic																									
Hyperplasia, Lymphoid							2	2																	
Necrosis																								2	

females (cont...)

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FISCHER 344 RATS FEMALE 400 PPM																										
DAY ON TEST	0727	0727	0727	0727	0727	0727	0727	0727	0727	0666	0645	0727	0727	0727	0727	0509	0727	0727	0727	0727	0728	0728	0676	0578	0728	
ANIMAL ID	00251	00252	00253	00254	00255	00256	00257	00258	00259	00260	00261	00262	00263	00264	00265	00266	00267	00268	00269	00270	00271	00272	00273	00274	00275	**females (cont...)**
Pigmentation, Hemosiderin	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1	1	1	1		1	
Lymphoid Follicle, Atrophy																										
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	3	3	3	3	3	3	3	3	3	3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	
Hyperplasia, Lymphoid																										
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia										3																
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																										
Necrosis																								2		
Peripheral Nerve											+															
Spinal Cord											+															
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body																										

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FISCHER 344 RATS FEMALE

400 PPM

DAY ON TEST	727	727	727	727	727	727	727	727	727	666	645	727	727	727	727	509	727	727	727	727	728	728	676	578	728	females (cont...)
ANIMAL ID	00251	00252	00253	00254	00255	00256	00257	00258	00259	00260	00261	00262	00263	00264	00265	00266	00267	00268	00269	00270	00271	00272	00273	00274	00275	
Inflammation, Chronic Active													1													
Alveolar Epithelium, Hyperplasia					2									1	1			1	1	2		1				
Alveolus, Infiltration Cellular, Histiocyte					1				1					1	1						1					
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body																				X						
Inflammation			1											2					1	1			1			
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lens, Cataract			4																							
Retina, Degeneration			4														1									
Retina, Gliosis																										
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Zymbal's Gland																										
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accumulation, Hyaline Droplet																										
Infarct												1												2		
Nephropathy	1	1	1	2	1	1	1	1	1	1		2	2	1	2	1	1	2		1	1	1	1		1	
Papilla, Necrosis				2																					1	
Pelvis, Inflammation																									1	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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FISCHER 344 RATS FEMALE

400 PPM

DAY ON TEST	728	617	728	728	652	728	718	728	728	728	727	727	673	727	727	728	728	728	728	728	701	691	679	728	728		
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	
ALIMENTARY SYSTEM																											
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Parasite Metazoan						X						X	X														**5**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Angiectasis																									2	**5**	**1.4**
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	**46**	
Clear Cell Focus						X														X						**5**	
Degeneration, Cystic																2										**1**	**2.0**
Eosinophilic Focus	X		X	X		X		X		X		X		X		X	X	X	X	X	X		X	X	X	**31**	
Fatty Change, Diffuse							3																1			**4**	**2.0**
Hematopoietic Cell Proliferation																							1			**3**	**1.0**
Hepatodiaphragmatic Nodule							X																			**5**	
Inflammation, Chronic Active	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1		1	1	1	**45**	**1.0**
Mixed Cell Focus	X	X						X				X			X	X							X			**8**	
Necrosis				1																						**1**	**1.0**
Tension Lipidosis																									1	**1**	**1.0**

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400 PPM

DAY ON TEST	728	617	728	728	652	728	718	728	728	728	727	727	673	727	727	728	728	728	728	728	701	691	679	728	728		
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	
Bile Duct, Hyperplasia					1			1	1	1	1	1	1	1			1	1								**19**	**1.1**
Mesentery							+						+									+				**7**	
Fat, Necrosis							2															2				**6**	**1.8**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation																										**1**	**2.0**
Metaplasia, Hepatocyte						1																				**1**	**1.0**
Acinus, Atrophy	2		1	1				1									1		1		1					**11**	**1.3**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation																										**2**	**3.0**
Ulcer																										**1**	**3.0**
Epithelium, Hyperplasia																										**4**	**1.8**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Ulcer					1																					**1**	**1.0**
Tooth			+			+		+		+																**5**	
Malformation			1			1		1		1																**5**	**1.0**
CARDIOVASCULAR SYSTEM																											
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cardiomyopathy	2	1	2	2	2	2	2	1	2	2	2	1		2	2	2	2	2	2	2	2	1	1	1	2	**49**	**1.8**
ENDOCRINE SYSTEM																											

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FISCHER 344 RATS FEMALE

400 PPM

DAY ON TEST	728	617	728	728	652	728	718	728	728	728	727	727	673	727	727	728	728	728	728	728	701	691	679	728	728	* TOTALS	
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		
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Degeneration, Cystic			2				1		2							1		2	2							**9**	**1.6**
Hyperplasia	1							2							1		1									**9**	**1.2**
Necrosis																										**1**	**1.0**
Thrombosis																										**1**	**1.0**
Vacuolization Cytoplasmic							2																			**3**	**2.0**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cyst							1						1													**2**	**1.0**
Pars Distalis, Angiectasis																								4		**1**	**4.0**
Pars Distalis, Hyperplasia	2	2				3		1				2				2		4		2					3	**21**	**2.2**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
C-cell, Hyperplasia				3		2	1	1	1	1		1		1	1			4	2	1	2			3		**27**	**1.6**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia								2		3																**4**	**3.0**
Duct, Cyst																										**1**	**4.0**

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FISCHER 344 RATS FEMALE

400 PPM

DAY ON TEST	728	617	728	728	652	728	718	728	728	728	727	727	673	727	727	728	728	728	728	701	691	679	728	728		
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	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Atrophy																							2				**2 1.5**
Cyst																4											**6 3.2**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hemorrhage																											**1 2.0**
Inflammation	4										2						4										**4 3.5**
Metaplasia, Squamous	3										2						3										**4 2.5**
Endometrium, Hyperplasia, Cystic														1								1		1			**7 1.1**
Venule, Hyperplasia															2												**1 2.0**
HEMATOPOIETIC SYSTEM																											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia	3	3	2					1				1	1	1	2		1					2	2	3	2		**25 1.8**
Myelofibrosis																											**2 3.5**
Lymph Node																										**1**	
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M	M	M	**1**	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Atrophy																							2				**1 2.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Accessory Spleen																											**1**
Hematopoietic Cell Proliferation	1		1										1														**8 1.3**
Hyperplasia, Histiocytic	4																										**1 4.0**
Hyperplasia, Lymphoid																											**2 2.0**
Necrosis																											**1 2.0**

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FISCHER 344 RATS FEMALE 400 PPM																											
DAY ON TEST	0728	0617	0728	0728	0652	0728	0718	0728	0728	0728	0727	0727	0673	0727	0727	0728	0728	0728	0728	0728	0701	0691	0679	0728	0728		
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	
Pigmentation, Hemosiderin	1	1	1	1	1	1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	1	1	**47**	**1.0**
Lymphoid Follicle, Atrophy							2																			**1**	**2.0**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Atrophy	3	3	3	3	3	3		3	3	3	3			3	3	3	3	3	3	3	3	3	3	3	3	**46**	**3.0**
Hyperplasia, Lymphoid												3														**1**	**3.0**
INTEGUMENTARY SYSTEM																											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia																										**1**	**3.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
MUSCULOSKELETAL SYSTEM																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
NERVOUS SYSTEM																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hemorrhage					3																					**1**	**3.0**
Necrosis																	2									**2**	**2.0**
Peripheral Nerve																										**1**	
Spinal Cord																										**1**	
RESPIRATORY SYSTEM																											
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Foreign Body							X																			**1**	

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FISCHER 344 RATS FEMALE

400 PPM

DAY ON TEST	072	061	072	072	065	072	071	072	072	072	072	072	067	072	072	072	072	072	072	072	070	069	067	072	072	
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 Active	1						2											1					1			**5 1.2**
Alveolar Epithelium, Hyperplasia	1			1							1			1					2				2			**13 1.3**
Alveolus, Infiltration Cellular, Histiocyte		2	1							1	1											1		1	1	**12 1.1**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body																				X						**2**
Inflammation	2						2				1						2	1							1	**11 1.4**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Lens, Cataract																									2	**2 3.0**
Retina, Degeneration																									1	**3 2.0**
Retina, Gliosis									1																	**1 1.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Zymbal's Gland							+																			**1**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accumulation, Hyaline Droplet													3													**1 3.0**
Infarct																										**2 1.5**
Nephropathy	1	1	1	1	2	1	1	1	1	2	2	1		3	1		2	2	1			1	1	1		**42 1.3**
Papilla, Necrosis																										**2 1.5**
Pelvis, Inflammation																										**1 1.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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

FISCHER 344 RATS FEMALE

800 PPM

DAY ON TEST	617	490	727	701	727	727	727	727	727	727	727	661	727	662	727	568	727	547	727	558	728	728	653	728	698	
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	females (cont...)
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan						X																				
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																										
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													X			X		
Degeneration, Cystic																					1					
Eosinophilic Focus	X			X	X	X	X	X	X	X	X	X		X	X	X					X	X		X		
Fatty Change, Diffuse												2	1													
Hematopoietic Cell Proliferation		1																								
Hepatodiaphragmatic Nodule																										
Inflammation, Chronic Active	2	1	1	1	1	1	1	1	2	1	1		1	1	1		1		1	1	1	1		1		
Mixed Cell Focus											X			X							X					
Necrosis																2		1								
Tension Lipidosis																										

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FISCHER 344 RATS FEMALE

800 PPM

DAY ON TEST	617	490	727	701	727	727	727	727	727	727	727	661	727	662	727	568	727	547	727	558	728	728	653	728	698	
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	**females (cont...)**
Bile Duct, Hyperplasia				2			1	1			1		1				1			1	1	1		1	1	
Mesentery								+	+						+		+	+								
Fat, Necrosis								2	2						2		1	1								
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Metaplasia, Hepatocyte												1														
Acinus, Atrophy						1	2		1	1	1				1				1	1						
Duct, Cyst																										
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation		3										4														
Ulcer		2										4														
Epithelium, Hyperplasia		2										3														
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Tongue																										
Inflammation																										
Tooth																										
Malformation																										

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	1		1	2	2	2	2	1	2	2	2	2	1	2	2		2	2	2	1	2	2	2	2	2	

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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	**females (cont...)**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Degeneration, Cystic																										
Hyperplasia	1												1													
Hypertrophy																										
Vacuolization Cytoplasmic																										
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																					2					
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										
Pars Distalis, Hyperplasia					4		3	3	4	1		1		2			2		4		2			1		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia	4		1			2	4		3		1		1	2	2	2	1		1		1	1				
GENERAL BODY SYSTEM																										
NONE																										
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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FISCHER 344 RATS FEMALE

800 PPM

DAY ON TEST	0617	0490	0727	0701	0727	0727	0727	0727	0727	0727	0727	0661	0727	0662	0727	0568	0727	0547	0727	0558	0728	0728	0653	0728	0698	
ANIMAL ID	00301	00302	00303	00304	00305	00306	00307	00308	00309	00310	00311	00312	00313	00314	00315	00316	00317	00318	00319	00320	00321	00322	00323	00324	00325	**females (cont...)**
Hyperplasia									3																	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy									1				4													
Cyst												4														
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Decidual Reaction																	2									
Inflammation																										
Cervix, Cyst																										
Endometrium, Hyperplasia, Cystic											2															

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Hyperplasia	4		2	1					4	2	1	4				4		3	1				1	1	3	
Inflammation, Granulomatous				1					1		1															
Lymph Node																										
Deep Cervical, Ectasia																										
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																							4		3	
Hyperplasia, Lymphoid																										
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hematopoietic Cell Proliferation												1														
Hyperplasia, Histiocytic									3																	

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FISCHER 344 RATS FEMALE																										
800 PPM DAY ON TEST	617	490	727	701	727	727	727	727	727	727	727	661	727	662	727	568	727	547	727	558	728	728	653	728	698	
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	**females (cont...)**
Pigmentation, Hemosiderin		2	2	1	1	1	1	1	1	1	1		2	2	1		1		1	1	1		2	1	3	
Lymphoid Follicle, Atrophy																							4		4	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	4	
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Skeletal Muscle														+												
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage				2												2				2						
Necrosis				3																						
Peripheral Nerve														+												
Spinal Cord														+												
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion																										

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FISCHER 344 RATS FEMALE																										
800 PPM DAY ON TEST	617	490	727	701	727	727	727	727	727	727	727	661	727	662	727	568	727	547	727	558	728	728	653	728	698	
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	**females (cont...)**
Inflammation, Chronic Active														1									1			
Alveolar Epithelium, Hyperplasia	1									1				1												
Alveolus, Infiltration Cellular, Histiocyte									1		1				1						1	1		1		
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation																							1	1		
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lens, Cataract																										
Retina, Degeneration															2											
Retina, Gliosis																										
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infarct																										
Nephropathy	1		1	1	1	1	1	1	1	1	1		1	1	1		2		1	1	1	1		1		
Pelvis, Inflammation																	2									
Pelvis, Transitional Epithelium, Hyperplasia																									1	
Renal Tubule, Dilatation																										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																										

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FISCHER 344 RATS FEMALE

800 PPM

DAY ON TEST	728	728	728	728	728	728	728	728	728	728	728	728	728	728	571	728	422	572	728	728	727	727	727	727	727	
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
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parasite Metazoan																										**1**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis	1	1				1																				**3 1.0**
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	**43**
Clear Cell Focus		X		X									X	X										X		**9**
Degeneration, Cystic																										**1 1.0**
Eosinophilic Focus	X	X			X	X	X	X	X	X	X			X						X			X	X	X	**30**
Fatty Change, Diffuse																		3								**3 2.0**
Hematopoietic Cell Proliferation						1																				**2 1.0**
Hepatodiaphragmatic Nodule		X			X			X									X						X			**5**
Inflammation, Chronic Active	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1		1	1	1	1	1	1	1	1	**43 1.0**
Mixed Cell Focus	X					X						X											X			**7**
Necrosis																						1				**3 1.3**
Tension Lipidosis				2																						**1 2.0**

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FISCHER 344 RATS FEMALE

800 PPM

DAY ON TEST	728	728	728	728	728	728	728	728	728	728	728	728	728	728	571	728	422	572	728	728	727	727	727	727	727		
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	
Bile Duct, Hyperplasia		1	1		1	1			1		1			1						1				1		**20**	**1.1**
Mesentery						+	+		+			+										+			+	**11**	
Fat, Necrosis						1	2		1			1										2			2	**11**	**1.5**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Metaplasia, Hepatocyte																										**1**	**1.0**
Acinus, Atrophy							1				1	1		1	1	1							2	2	1	**17**	**1.2**
Duct, Cyst												3														**1**	**3.0**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation																		4								**3**	**3.7**
Ulcer																		4								**3**	**3.3**
Epithelium, Hyperplasia																		1								**3**	**2.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Tongue															+											**1**	
Inflammation															2											**1**	**2.0**
Tooth							+			+										+						**3**	
Malformation							1			1										1						**3**	**1.0**
CARDIOVASCULAR SYSTEM																											
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cardiomyopathy	3	2	2	2	2	2	1	2	1	2	2	2	1	1		2	1		1	1	2	2	2	2	2	**46**	**1.8**

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FISCHER 344 RATS FEMALE

800 PPM

DAY ON TEST	728	728	728	728	728	728	728	728	728	728	728	728	728	728	571	728	422	572	728	728	727	727	727	727	727		
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	
ENDOCRINE SYSTEM																											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Atrophy					3																					**1**	**3.0**
Degeneration, Cystic																						2				**1**	**2.0**
Hyperplasia											1															**3**	**1.0**
Hypertrophy																			1							**1**	**1.0**
Vacuolization Cytoplasmic																		3								**1**	**3.0**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia																										**1**	**2.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	**49**	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cyst		1			2									2												**3**	**1.7**
Pars Distalis, Hyperplasia	2		2				3		2				4			1				2	1		3	4		**21**	**2.4**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
C-cell, Hyperplasia			1	1		1		1	1		3	1	1			2			1				2	1		**26**	**1.6**
GENERAL BODY SYSTEM																											
NONE																											
GENITAL SYSTEM																											
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	

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FISCHER 344 RATS FEMALE

800 PPM

DAY ON TEST	728	728	728	728	728	728	728	728	728	728	728	728	728	728	571	728	422	572	728	728	727	727	727	727	727	
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
Hyperplasia																										1 3.0
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Atrophy															3											3 2.7
Cyst	4					3		2						3					4							6 3.3
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Decidual Reaction																										1 2.0
Inflammation																							3			1 3.0
Cervix, Cyst																									3	1 3.0
Endometrium, Hyperplasia, Cystic	3													1		1				1						5 1.6
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Atrophy															2											1 2.0
Hyperplasia	1	2			3	1	1			1	1		1					4	1				1		1	25 2.0
Inflammation, Granulomatous		1								1												2				6 1.2
Lymph Node				+																						1
Deep Cervical, Ectasia				3																						1 3.0
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Atrophy																										2 3.5
Hyperplasia, Lymphoid																		2								1 2.0
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hematopoietic Cell Proliferation					1	1				1				1				2				1				7 1.1
Hyperplasia, Histiocytic																										1 3.0

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FISCHER 344 RATS FEMALE

800 PPM

DAY ON TEST	728	728	728	728	728	728	728	728	728	728	728	728	728	728	571	728	422	572	728	728	727	727	727	727	727		
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	
Pigmentation, Hemosiderin		2	1	1		1	1	1	1	1	1	1	1	1	2	1	1		1	1	1	1	1	1	1	**42**	**1.2**
Lymphoid Follicle, Atrophy															4											**3**	**4.0**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Atrophy	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	2	4	3	3	3	3	3	3	3	**50**	**3.1**
INTEGUMENTARY SYSTEM																											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
MUSCULOSKELETAL SYSTEM																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Skeletal Muscle	+																									**2**	
NERVOUS SYSTEM																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hemorrhage																										**3**	**2.0**
Necrosis																										**1**	**3.0**
Peripheral Nerve																										**1**	
Spinal Cord																										**1**	
RESPIRATORY SYSTEM																											
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Congestion																	4									**1**	**4.0**

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FISCHER 344 RATS FEMALE

800 PPM

DAY ON TEST	728	728	728	728	728	728	728	728	728	728	728	728	728	728	728	571	728	422	572	728	728	727	727	727	727	727	
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
Inflammation, Chronic Active					1																						**3 1.0**
Alveolar Epithelium, Hyperplasia		1		1				4		2									1	2							**9 1.6**
Alveolus, Infiltration Cellular, Histiocyte		1		1	1			1																1			**11 1.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation					2	1							1	1													**6 1.2**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																											
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Lens, Cataract										3							2										**2 2.5**
Retina, Degeneration										4																	**2 3.0**
Retina, Gliosis																2											**1 2.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
URINARY SYSTEM																											
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infarct					3																						**1 3.0**
Nephropathy	1	1	1		1	1	1	1	1	1		1	2	1		1		1	1	1	2	1	1	1	1		**40 1.1**
Pelvis, Inflammation					2																						**2 2.0**
Pelvis, Transitional Epithelium, Hyperplasia					1																						**2 1.0**
Renal Tubule, Dilatation																		2									**1 2.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active		1																									**1 1.0**

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FISCHER 344 RATS FEMALE 1600 PPM																										
DAY ON TEST	728	728	728	728	610	727	727	727	727	727	728	728	728	728	728	728	728	498	728	728	727	727	727	727	727	
ANIMAL ID	0351	0352	0353	0354	0355	0356	0357	0358	0359	0360	0361	0362	0363	0364	0365	0366	0367	0368	0369	0370	0371	0372	0373	0374	0375	females (cont...)
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																										
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan							X				X									X						
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis													1													
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																			
Eosinophilic Focus	X	X		X			X	X			X		X	X	X		X		X	X				X	X	
Fatty Change, Diffuse																		4								
Hepatodiaphragmatic Nodule	X	X						X		X							X								X	
Inflammation, Chronic Active	1	1	1	1		1	1	1	1	1	1	1	1	2	1	1	1		1	1	1	1	1	1	1	
Mixed Cell Focus				X										X			X								X	
Necrosis					2																					
Bile Duct, Cyst																								2		
Bile Duct, Hyperplasia				1	1		1							1			1			1				2	1	

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FISCHER 344 RATS FEMALE																										
1600 PPM DAY ON TEST	072	072	072	072	061	072	072	072	072	072	072	072	072	072	072	072	072	049	072	072	072	072	072	072	072	
ANIMAL ID	003 51	003 52	003 53	003 54	003 55	003 56	003 57	003 58	003 59	003 60	003 61	003 62	003 63	003 64	003 65	003 66	003 67	003 68	003 69	003 70	003 71	003 72	003 73	003 74	003 75	**females (cont...)**
Oval Cell, Hyperplasia																										
Mesentery																		+	+				+			
Fat, Necrosis																		2	1				2			
Oral Mucosa													+													
Hyperplasia													4													
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Acinus, Atrophy	2		1		1	1	2	1				2		1		1	1			1		1			1	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation																								1		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Tooth												+														
Malformation												1														
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	3	2	1	2	2	2	2	1	1	1	2	3	2	1	2	2	1		1	2	2	2	1	1	1	
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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FISCHER 344 RATS FEMALE																										
1600 PPM DAY ON TEST	072	072	072	072	061	072	072	072	072	072	072	072	072	072	072	072	072	049	072	072	072	072	072	072	072	**females (cont...)**
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	
Atrophy																		3								
Degeneration, Cystic				1																						
Hyperplasia			1										2													
Hypertrophy									2																	
Necrosis					2																					
Vacuolization Cytoplasmic																		4								
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parathyroid Gland	+	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst							2			2																
Pars Distalis, Angiectasis																										
Pars Distalis, Hyperplasia			3	2		2		1			4		2						2	1		2		1	1	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia				1								1	2				1		1	1		1		1		
GENERAL BODY SYSTEM																										
NONE																										
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																							3			

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FISCHER 344 RATS FEMALE

1600 PPM

DAY ON TEST	072	072	072	072	061	072	072	072	072	072	072	072	072	072	072	072	072	049	072	072	072	072	072	072	072
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
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	1																1								
Cyst																									
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																									
Cervix, Cyst												2													
Endometrium, Hyperplasia, Adenomatous																									
Endometrium, Hyperplasia, Cystic											1														
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia	1	1			3	1	1	1	1	1	1	1	1	3			3	4	1	1	1	1	1		1
Inflammation																									
Inflammation, Granulomatous																									
Myelofibrosis																									
Lymph Node																									
Deep Cervical, Infiltration Cellular, Histiocyte																									
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid																									
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation																									
Hyperplasia, Histiocytic																									

females (cont...)

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FISCHER 344 RATS FEMALE 1600 PPM																										
DAY ON TEST	072	072	072	072	061	072	072	072	072	072	072	072	072	072	072	072	072	049	072	072	072	072	072	072	072	females (cont...)
ANIMAL ID	0035	0035	0035	0035	0035	0035	0035	0035	0035	0036	0036	0036	0036	0036	0036	0036	0036	0036	0036	0037	0037	0037	0037	0037	0037	
Infarct					2																					
Pigmentation, Hemosiderin	1	1	1	1		1	1	1		1		1			1	1			1	1	1	1	1	1		
Lymphoid Follicle, Atrophy																										
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		3	3	3	3	3	3	3	
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fracture																										
Osteopetrosis																										
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage					2																					
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																										
Necrosis																		1								
Alveolar Epithelium, Hyperplasia			1	1		1		1				2		1						1			1	1		
Alveolar Epithelium, Metaplasia, Squamous																			1							

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2) Mild 4) Marked

FISCHER 344 RATS FEMALE 1600 PPM																										
DAY ON TEST	728	728	728	728	610	727	727	727	727	727	728	728	728	728	728	728	728	498	728	728	727	727	727	727	727	females (cont...)
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	
Alveolus, Infiltration Cellular, Histiocyte	1	1		1		1											1									
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation					1					1		1						1							1	
Glands, Respiratory Epithelium, Hyperplasia																										
Respiratory Epithelium, Hyperplasia																1										
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Ear																									+	
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cornea, Inflammation															2											
Lens, Cataract										3					2								2			
Retina, Degeneration										4													4			
Retina, Gliosis				2									1	1												
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infarct																										
Infiltration Cellular, Lymphoid																										
Inflammation, Chronic Active																										
Nephropathy	1	1	1	1		1	1	1	2		1	2	1	2	1	2	1		1	1	1	1	1	2	2	
Papilla, Necrosis									1																	
Pelvis, Dilatation																										
Pelvis, Transitional Epithelium, Hyperplasia																										

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FISCHER 344 RATS FEMALE

1600 PPM

DAY ON TEST	728	728	728	728	610	727	727	727	727	727	728	728	728	728	728	728	728	498	728	728	727	727	727	727	727	
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...)**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Histiocyte														2												
Transitional Epithelium, Hyperplasia		1		1				2				4		2								1	4		2	
Transitional Epithelium, Metaplasia, Squamous																										

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FISCHER 344 RATS FEMALE 1600 PPM																										
DAY ON TEST	727	727	727	727	727	728	728	611	728	728	727	727	727	727	727	728	572	728	728	728	727	727	727	727	727	
ANIMAL ID	003 76	003 77	003 78	003 79	003 80	003 81	003 82	003 83	003 84	003 85	003 86	003 87	003 88	003 89	003 90	003 91	003 92	003 93	003 94	003 95	003 96	003 97	003 98	003 99	004 00	* TOTALS
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage								3																		**1 3.0**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parasite Metazoan			X																							**4**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis	1																	2				3	4			**5 2.2**
Basophilic Focus	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X	**45**
Clear Cell Focus							X				X						X			X			X			**6**
Eosinophilic Focus	X		X		X	X	X			X	X			X		X		X	X	X	X	X		X		**29**
Fatty Change, Diffuse																										**1 4.0**
Hepatodiaphragmatic Nodule		X	X						X					X									X			**11**
Inflammation, Chronic Active	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	**47 1.0**
Mixed Cell Focus			X											X	X	X		X	X			X	X		X	**13**
Necrosis																										**1 2.0**
Bile Duct, Cyst												2										2				**3 2.0**
Bile Duct, Hyperplasia	1		1							1	1					1	1	1			1	1	1	1	1	**20 1.1**

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DAY ON TEST	727	727	727	727	727	728	728	611	728	728	727	727	727	727	727	728	572	728	728	728	727	727	727	727	727	727	
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	
Oval Cell, Hyperplasia														1												1	1.0
Mesentery																							+			4	
Fat, Necrosis																							1			4	1.5
Oral Mucosa																										1	
Hyperplasia																										1	4.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Acinus, Atrophy	1			1	1	1										1	1	1		1	1				2	23	1.2
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation																										1	1.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Tooth																										1	
Malformation																										1	1.0
CARDIOVASCULAR SYSTEM																											
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Cardiomyopathy	2	2	1	2	1	2	1	2	1	2	2	2		1	1	1	1	2	2	1	1	2	2	1	1	48	1.6
ENDOCRINE SYSTEM																											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	

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FISCHER 344 RATS FEMALE

1600 PPM

DAY ON TEST	727	727	727	727	727	728	728	611	728	728	727	727	727	727	727	728	572	728	728	728	727	727	727	727	727	
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
Atrophy																										**1 3.0**
Degeneration, Cystic																										**1 1.0**
Hyperplasia					2																					**3 1.7**
Hypertrophy		3							1																	**3 2.0**
Necrosis																										**1 2.0**
Vacuolization Cytoplasmic													2													**2 3.0**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia								1																		**1 1.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parathyroid Gland	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	**46**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst							2					2														**4 2.0**
Pars Distalis, Angiectasis																						2				**1 2.0**
Pars Distalis, Hyperplasia	1	1	1					4	1		1		2	2				2	3		2		2		2	**24 1.9**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Hyperplasia				3	1					1	1	1	2	1						1					1	**17 1.2**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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

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1600 PPM

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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	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Atrophy																											**2 1.0**
Cyst				1				2		4												1					**4 2.0**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation														2													**1 2.0**
Cervix, Cyst																											**1 2.0**
Endometrium, Hyperplasia, Adenomatous										2																	**1 2.0**
Endometrium, Hyperplasia, Cystic				1																4							**3 2.0**
HEMATOPOIETIC SYSTEM																											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia	1	2	1	4	1	1	1	1	3			1	2	1	1			1		1			3	1	1		**38 1.5**
Inflammation				2																							**1 2.0**
Inflammation, Granulomatous		1																					2				**2 1.5**
Myelofibrosis													2														**1 2.0**
Lymph Node																				+					+	**2**	
Deep Cervical, Infiltration Cellular, Histiocyte																				1							**1 1.0**
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia, Lymphoid				3																							**1 3.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hematopoietic Cell Proliferation	1	2							2																		**3 1.7**
Hyperplasia, Histiocytic																							3				**1 3.0**

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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
Infarct																										**1 2.0**
Pigmentation, Hemosiderin			1		1	1	1		1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**38 1.1**
Lymphoid Follicle, Atrophy								4																		**1 4.0**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	**49 3.0**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Fracture												X														**1**
Osteopetrosis													2													**1 2.0**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage																										**1 2.0**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active															1							1				**2 1.0**
Necrosis																										**1 1.0**
Alveolar Epithelium, Hyperplasia	1						1				1										2	1			1	**15 1.1**
Alveolar Epithelium, Metaplasia, Squamous															1											**2 1.0**

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FISCHER 344 RATS FEMALE

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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	
Alveolus, Infiltration Cellular, Histiocyte	1		1				1		1				1							1				1	1	13	1.0
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation			1												1							1			1	9	1.0
Glands, Respiratory Epithelium, Hyperplasia																							3			1	3.0
Respiratory Epithelium, Hyperplasia																										1	1.0
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
SPECIAL SENSES SYSTEM																											
Ear																										1	
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Cornea, Inflammation																										1	2.0
Lens, Cataract								4				2														5	2.6
Retina, Degeneration								4																		3	4.0
Retina, Gliosis						2																				4	1.5
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
URINARY SYSTEM																											
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Infarct				1				2																		2	1.5
Infiltration Cellular, Lymphoid				3																						1	3.0
Inflammation, Chronic Active						3																				1	3.0
Nephropathy	1	1	1	2	1	1	1		1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	45	1.2
Papilla, Necrosis																										1	1.0
Pelvis, Dilatation				2																						1	2.0
Pelvis, Transitional Epithelium, Hyperplasia								1																		1	1.0

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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**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infiltration Cellular, Histiocyte																										**1 2.0**
Transitional Epithelium, Hyperplasia						2									1					4	4					**12 2.3**
Transitional Epithelium, Metaplasia, Squamous																					2					**1 2.0**

*** END OF REPORT ***

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