C Number:	C20011
Lock Date:	06/15/2006
Cage Range:	ALL
Date Range:	ALL
Reasons For Removal:	ALL
Removal Date Range:	ALL
Treatment Groups:	Include ALL
Study Gender:	Both
TDMSE Version:	2.0.0

DAY ON TEST	06 35	06 83	07 30	07 30	07 29	07 29	07 29	07 16	07 29	05 91	06 59	07 30	07 29	07 29	05 82	05 86	06 46	07 29	06 60	05 01	07 30	06 59	05 98	07 11	07 30
FISCHER 344 RATS MALE ANIMAL ID	00 00	00 00	00 00	00 00	00 00	00 00	00 00	00 00	00 00	00 00	00 00	00 00	00 00	00 00	00 00	00 00	00 00	00 00	00 00	00 00	00 00	00 00	00 00	00 00	00 00
CONTROL	00 01	00 02	00 03	00 04	00 05	00 06	00 07	00 08	00 09	00 10	00 11	00 12	00 13	00 14	00 15	00 16	00 17	00 18	00 19	00 20	00 21	00 22	00 23	00 24	00 25

males (cont...)

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+
Edema								2																	
Necrosis								2																	
Artery, Inflammation																									
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+
Artery, Inflammation																									
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+
Fibrosis																									
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+
Necrosis																									
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basophilic Focus														3											3
Clear Cell Focus	2						2	2				2	2	2								2		2	2
Degeneration, Cystic																					3				
Hepatodiaphragmatic Nodule													4												4

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

FISCHER 344 RATS MALE
CONTROL

DAY ON TEST	0635	0683	0730	0730	0729	0729	0729	0716	0729	0591	0659	0730	0729	0729	0582	0586	0646	0729	0660	0501	0730	0659	0598	0711	0730
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
Mixed Cell Focus																			3						
Necrosis																	2								
Thrombosis																									
Vacuolization Cytoplasmic	2	1	2	2	2		1	3		3		2		2		2	4					4			
Serosa, Fibrosis																									
Mesentery		+	+		+	+		+		+		+						+							
Necrosis		3	3		3	3		3		3		3						3							
Oral Mucosa																									
Foreign Body																									
Hyperplasia, Squamous																									
Inflammation, Chronic Active																									
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basophilic Focus																						1			
Acinus, Atrophy			2			1				1	1	2	2	1	2		2			1					
Artery, Inflammation																									
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia			1																						
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Erosion																									
Hyperplasia, Squamous										2															
Ulcer										4					1		3					3			
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Erosion																						1			

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FISCHER 344 RATS MALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
CONTROL																									**males (cont...)**
Ulcer																	2								
Artery, Inflammation																									
CARDIOVASCULAR SYSTEM																									
Blood Vessel												+													
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy					1	1	1	1				2	2	2	1		2	2			1				
Atrium, Thrombosis								3									4		3						
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia				2	4	1	1	2		1	2		2		2			4				1		1	
Vacuolization Cytoplasmic			1									2				1				1		1			
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage		4																							
Hyperplasia		1	1	1	2	1		2			2				2		1					1			1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia		1	1		1					1	1		2						4						
Parathyroid Gland	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia				1																					

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FISCHER 344 RATS MALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
CONTROL																									**males (cont...)**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																	2								
Hemorrhage															3				2				3		
Pars Distalis, Hyperplasia							1		1			1													
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia		1	2	1			2	1	1		2	1	2	2	2	1						1	3		3
GENERAL BODY SYSTEM																									
NONE																									
GENITAL SYSTEM																									
Coagulating Gland	+		+																						
Hyperplasia			3																						
Inflammation, Suppurative	4																								
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																									
Inflammation, Chronic Active	2	1		1	1	1	1	1			2	1	1	2	1	1						1	2		
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia												2	1	2				1			1				
Inflammation, Suppurative	4	3	1	1	1	2		1	1		2		2	2		2		2	1				2	1	1

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FISCHER 344 RATS MALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
CONTROL																									**males (cont...)**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Suppurative	3																								
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Germinal Epithelium, Atrophy						3					3			3										2	3
Interstitial Cell, Hyperplasia																2									
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thrombosis																									
Lymph Node						+					+									+					
Lymph Node, Bronchial	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M
Angiectasis																									
Hemorrhage																									
Lymph Node, Mandibular	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mediastinal	M	M	+	+	M	+	M	+	M	M	+	M	M	+	M	M	+	+	M	+	M	M	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Spleen																									
Fibrosis																									

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DAY ON TEST	0635	0683	0730	0730	0729	0729	0729	0716	0729	0591	0659	0730	0729	0729	0582	0586	0646	0729	0660	0501	0730	0659	0598	0711	0730
FISCHER 344 RATS MALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
CONTROL																									**males (cont...)**
Hematopoietic Cell Proliferation									1			1							2					1	1
Hemorrhage, Chronic										4												4			
Thymus	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	M	M	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	M	+	+	+	+
Galactocele								3																	
Epithelium, Hyperplasia																									
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperkeratosis																									
Inflammation, Chronic Active																									
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle	+																								
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage																									

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DAY ON TEST	063 5	068 3	073 0	073 0	072 9	072 9	072 9	071 6	072 9	059 1	065 9	073 0	072 9	072 9	058 2	058 6	064 6	072 9	066 0	050 1	073 0	065 9	059 8	071 1	073 0
FISCHER 344 RATS MALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
CONTROL																									**males (cont...)**
Spinal Cord	+																								
RESPIRATORY SYSTEM																									
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body								X												X	X				
Inflammation, Chronic Active	1			2		1		2	1							1		1	1	2	2			1	1
Metaplasia, Squamous																				1	1				
Respiratory Epithelium, Hyperplasia																									
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage											2									2					
Inflammation, Chronic Active					2						2									2					
Alveolar Epithelium, Hyperplasia		1				1	1		2	1	4							1		4					
Alveolus, Infiltration Cellular, Histiocyte		2			2	2					4							1		4					
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body		X		X		X										X				X				X	X
Inflammation, Chronic Active			1	2	2	2		2	1							2	1	1	2	1	1	1		2	2
Epithelium, Accumulation, Hyaline Droplet		1		1	1	1		1			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Glands, Hyperplasia																				2	2				
Olfactory Epithelium, Metaplasia, Respiratory						2		1								2								1	
Respiratory Epithelium, Hyperplasia				1		2		2			1					2			2	2					
Respiratory Epithelium, Metaplasia, Squamous																									
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active																									

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FISCHER 344 RATS MALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
CONTROL																									**males (cont...)**
Epithelium, Hyperplasia																									
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lens, Cataract							3																		
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lacrimal Gland																									
Inflammation, Chronic Active																									
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Suppurative																									
Nephropathy, Chronic	1	1	2	3	2	1	1	3	2	1	2	1	2	3	2	3	1	2	1		2	1	1	1	2
Cortex, Infarct		2																							
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active																									

DAY ON TEST	0730	0729	0669	0729	0614	0703	0730	0729	0534	0688	0668	0653	0659	0729	0730	0686	0729	0660	0646	0730	0724	0596	0730	0429	0729	
FISCHER 344 RATS MALE ANIMAL ID	0002	0002	0002	0002	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0004	0004	0004	0004	0004	0004	0004	0004	0004	0004	0005	
CONTROL	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**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	A	+	**47**
Edema																										**1 2.0**
Necrosis																										**1 2.0**
Artery, Inflammation																2										**1 2.0**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	**48**
Artery, Inflammation																2										**1 2.0**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	**48**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	**48**
Fibrosis																					3					**1 3.0**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	A	+	**47**
Necrosis												1														**1 1.0**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	A	+	**47**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Basophilic Focus				3		3	3					3		3			3			3						**9 3.0**
Clear Cell Focus				3				2			2			3	2		2								2	**16 2.1**
Degeneration, Cystic														2												**2 2.5**
Hepatodiaphragmatic Nodule																		3					4			**4 3.8**

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DAY ON TEST	07 30	07 29	06 69	07 29	06 14	07 03	07 30	07 29	05 34	06 88	06 68	06 53	06 59	07 29	07 30	06 86	07 29	06 60	06 46	07 30	07 24	05 96	07 30	04 29	07 29	
FISCHER 344 RATS MALE ANIMAL ID	00 02 6	00 02 7	00 02 8	00 02 9	00 03 0	00 03 1	00 03 2	00 03 3	00 03 4	00 03 5	00 03 6	00 03 7	00 03 8	00 03 9	00 04 0	00 04 1	00 04 2	00 04 3	00 04 4	00 04 5	00 04 6	00 04 7	00 04 8	00 04 9	00 05 0	*** TOTALS**
CONTROL																										
Mixed Cell Focus				2																						**2 2.5**
Necrosis											3															**2 2.5**
Thrombosis											2															**1 2.0**
Vacuolization Cytoplasmic	3		2	2		2	2	2	2		3	2	2	2	2	2	2				1		2	1	2	**31 2.1**
Serosa, Fibrosis					2																					**1 2.0**
Mesentery				+		+										+	+			+						**13**
Necrosis				3		3										3	3			3						**13 3.0**
Oral Mucosa			+																		+		+			**3**
Foreign Body																					X					**1**
Hyperplasia, Squamous																							2			**1 2.0**
Inflammation, Chronic Active																					3					**1 3.0**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Basophilic Focus																										**1 1.0**
Acinus, Atrophy	2	3	1	1		2	1	1		1	1		1			1		2	1							**23 1.4**
Artery, Inflammation																3										**1 3.0**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																										**1 1.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Erosion			1																							**1 1.0**
Hyperplasia, Squamous																										**1 2.0**
Ulcer	3										2					2										**7 2.6**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Erosion																										**1 1.0**

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DAY ON TEST	0730	0729	0669	0729	0614	0703	0730	0729	0534	0688	0668	0653	0659	0729	0730	0686	0729	0660	0646	0730	0724	0596	0730	0429	0729	
FISCHER 344 RATS MALE 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**
CONTROL																										
Ulcer																										**1 2.0**
Artery, Inflammation																2										**1 2.0**
CARDIOVASCULAR SYSTEM																										
Blood Vessel																							+			**2**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy		1		1			2	2	1	1			1	2	2	2	2			2	2			1	1	**26 1.5**
Atrium, Thrombosis											3															**4 3.3**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia	1	2	1	1				2		1		1	1		2	2	2			2		1	2		4	**27 1.8**
Vacuolization Cytoplasmic				1		1		1													2					**9 1.2**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage																										**1 4.0**
Hyperplasia		3	1	3		1	2	3				2				3	2	2		1					2	**23 1.7**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia		3																1							2	**10 1.7**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	**46**
Hyperplasia																	2									**2 1.5**

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FISCHER 344 RATS MALE 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**
CONTROL																										
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																										**1 2.0**
Hemorrhage				4																						**4 3.0**
Pars Distalis, Hyperplasia				2								2						2		4				2		**8 1.9**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Hyperplasia	2	2				1	1		2	1	1	1	1			4	2	1		4	2	1	2		1	**32 1.7**
GENERAL BODY SYSTEM																										
NONE																										
GENITAL SYSTEM																										
Coagulating Gland																					+					**3**
Hyperplasia																										**1 3.0**
Inflammation, Suppurative																					2					**2 3.0**
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia											4						2	4								**3 3.3**
Inflammation, Chronic Active	2			2	1	2	1			2		2		2	2	2	2		1	2		2			2	**30 1.5**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia						1	1	1					1					1				1			2	**12 1.3**
Inflammation, Suppurative	2	2	1	1	3	2	1	1	1	1		1		1	2	2	2	1		2	3	1	1		1	**38 1.6**

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FISCHER 344 RATS MALE 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**
CONTROL																										
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Suppurative																					2					**2 2.5**
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Germinal Epithelium, Atrophy								3			3	2		3					2				2		3	**12 2.7**
Interstitial Cell, Hyperplasia																										**1 2.0**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Thrombosis																	2									**1 2.0**
Lymph Node					+														+							**5**
Lymph Node, Bronchial	M	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	+	M	M	M	**3**
Angiectasis			3																							**1 3.0**
Hemorrhage																						2				**1 2.0**
Lymph Node, Mandibular	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	**3**
Lymph Node, Mediastinal	+	+	M	+	+	+	+	+	M	+	M	+	M	+	+	M	+	M	+	+	+	+	+	M	+	**30**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accessory Spleen															X											**1**
Fibrosis																							2			**1 2.0**

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FISCHER 344 RATS MALE 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**
CONTROL																										
Hematopoietic Cell Proliferation			1				1	2									1								1	**10 1.2**
Hemorrhage, Chronic																		3	3							**4 3.5**
Thymus	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	M	I	+	M	M	+	+	+	**43**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	M	+	M	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	M	M	+	**40**
Galactocele																										**1 3.0**
Epithelium, Hyperplasia								1																		**1 1.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperkeratosis							3											2		3						**3 2.7**
Inflammation, Chronic Active																				2						**1 2.0**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Skeletal Muscle																										**1**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage									2																	**1 2.0**

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FISCHER 344 RATS MALE

CONTROL

DAY ON TEST	0730	0729	0669	0729	0614	0703	0730	0729	0534	0688	0668	0653	0659	0729	0730	0686	0729	0660	0646	0730	0724	0596	0730	0429	0729	
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**
Spinal Cord																										**1**
RESPIRATORY SYSTEM																										
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body				X																	X		X			**6**
Inflammation, Chronic Active				2				1			1		2		1		2	2			2		1			**21 1.4**
Metaplasia, Squamous																					1		1			**4 1.0**
Respiratory Epithelium, Hyperplasia																		1								**1 1.0**
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage																										**2 2.0**
Inflammation, Chronic Active									2				2													**5 2.0**
Alveolar Epithelium, Hyperplasia	1				1				1		1				2				2	1						**15 1.6**
Alveolus, Infiltration Cellular, Histiocyte	1				2		1		2		1		2			1			2				1		1	**16 1.8**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body				X			X									X		X								**11**
Inflammation, Chronic Active	2		1	2	2		2	1			1			2		2	1	2		1	2				2	**29 1.6**
Epithelium, Accumulation, Hyaline Droplet	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	**44 1.0**
Glands, Hyperplasia											2			2				2								**5 2.0**
Olfactory Epithelium, Metaplasia, Respiratory				1			1											2								**7 1.4**
Respiratory Epithelium, Hyperplasia				2			1				1			2		2		2							1	**14 1.6**
Respiratory Epithelium, Metaplasia, Squamous																		1								**1 1.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active																		2								**1 2.0**

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FISCHER 344 RATS MALE ANIMAL ID	0002	0002	0002	0002	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0004	0004	0004	0004	0004	0004	0004	0004	0004	0004	0005	
CONTROL	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**
Epithelium, Hyperplasia																		2								**1 2.0**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	**49**
Lens, Cataract															3											**2 3.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Lacrimal Gland																					+					**1**
Inflammation, Chronic Active																					3					**1 3.0**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Suppurative																					3					**1 3.0**
Nephropathy, Chronic	2	3		3	1	3	2	2	2			2	3	4	2	3	3	2	1	2		2	3		3	**44 2.0**
Cortex, Infarct																										**1 2.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active																					2					**1 2.0**

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DAY ON TEST	061 1	066 3	064 8	071 1	061 8	072 9	071 9	072 9	073 0	072 9	072 9	062 7	073 0	072 9	072 9	073 0	056 9	056 8	073 0	072 9	068 7	072 9	060 8	066 6	073 0
FISCHER 344 RATS MALE ANIMAL ID	000 2 0 1	000 2 0 2	000 2 0 3	000 2 0 4	000 2 0 5	000 2 0 6	000 2 0 7	000 2 0 8	000 2 0 9	000 2 1 0	000 2 1 1	000 2 1 2	000 2 1 3	000 2 1 4	000 2 1 5	000 2 1 6	000 2 1 7	000 2 1 8	000 2 1 9	000 2 2 0	000 2 2 1	000 2 2 2	000 2 2 3	000 2 2 4	000 2 2 5
125 PPM																									**males (cont...)**
ALIMENTARY SYSTEM																									
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis						2																			
Basophilic Focus					3	3				3	3			3					3						
Clear Cell Focus						2	2	2	2	2	2	2		2		2			2	2		2			2
Degeneration, Cystic						2																			
Eosinophilic Focus																									
Hepatodiaphragmatic Nodule										4															
Mixed Cell Focus						2																			
Necrosis																									
Vacuolization Cytoplasmic					1	1	2	2	4	1	2	3	2	2	1	2	2		2	2		2		2	2

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DAY ON TEST	0611	0663	0648	0711	0618	0729	0719	0729	0730	0729	0729	0627	0730	0729	0730	0729	0569	0568	0730	0729	0687	0729	0608	0666	0730
FISCHER 344 RATS MALE ANIMAL ID	0002001	0002002	0002003	0002004	0002005	0002006	0002007	0002008	0002009	0002010	0002011	0002012	0002013	0002014	0002015	0002016	0002017	0002018	0002019	0002020	0002021	0002022	0002023	0002024	0002025
125 PPM																									**males (cont...)**
Mesentery		+	+	+			+			+						+					+			
Necrosis		3	3	3			3			3						3					3				
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Atrophy							2	2						3		2	2	1	3	2					
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active																									
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Squamous																									
Ulcer												2													
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ulcer																									
CARDIOVASCULAR SYSTEM																									
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy		2	2				1		2		2		2		1	2	1		2	2		2			
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia			2	2		2		2			2		1	2	1	2			1	2		2			2
Vacuolization Cytoplasmic				2			2		1	1				2						2	2				2

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FISCHER 344 RATS MALE ANIMAL ID	000 201	000 202	000 203	000 204	000 205	000 206	000 207	000 208	000 209	000 210	000 211	000 212	000 213	000 214	000 215	000 216	000 217	000 218	000 219	000 220	000 221	000 222	000 223	000 224	000 225
125 PPM																									**males (cont...)**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia		3		2			2						1	2				2		2	3	2		1	2
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia		1						2										2							2
Parathyroid Gland	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst							3													4					
Hemorrhage																									
Pars Distalis, Hyperplasia								2												2	2	3			1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia		2		2		2	4	1	2	3	2		1	1	1	2	1			1				2	1
Follicular Cell, Hyperplasia																									

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Penis							+																		
Hyperplasia, Squamous																									

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\+ .. Tissue examined microscopically
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BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	061 1	066 3	064 8	071 1	061 8	072 9	071 9	073 0	072 9	072 9	062 7	073 0	072 9	072 9	073 0	056 9	056 8	073 0	072 9	068 7	072 9	060 8	066 6	073 0
FISCHER 344 RATS MALE ANIMAL ID	000 201	000 202	000 203	000 204	000 205	000 206	000 207	000 208	000 209	000 210	000 211	000 212	000 213	000 214	000 215	000 216	000 217	000 218	000 219	000 220	000 221	000 222	000 223	000 224	000 225
125 PPM																									**males (cont...)**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Suppurative, Chronic																4									
Inflammation, Chronic Active		3	3	1		2		2	2	2	2		2	2	2		2	2	2	2		2		3	2
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia		1					1				2			3			1								
Inflammation, Suppurative	2	1	1	4	2	2	1	1	2	2	2		2		2	2	2	1	2	2	2			4	2
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Suppurative				3																					
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mineralization																									
Germinal Epithelium, Atrophy							3	2	3											4					

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node						+	+													+					
Pancreatic, Angiectasis						3														3					
Lymph Node, Bronchial	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	+	M	M	+	M
Angiectasis																									
Fibrosis																					2				
Hemorrhage																								2	
Lymph Node, Mandibular	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M

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DAY ON TEST	061 1	066 3	064 8	071 1	061 8	072 9	071 9	073 0	072 9	072 9	062 7	073 0	072 9	072 9	073 0	056 9	056 8	073 0	072 9	068 7	072 9	060 8	066 6	073 0
FISCHER 344 RATS MALE ANIMAL ID	000 201	000 202	000 203	000 204	000 205	000 206	000 207	000 208	000 209	000 210	000 211	000 212	000 213	000 214	000 215	000 216	000 217	000 218	000 219	000 220	000 221	000 222	000 223	000 224	000 225
125 PPM																									**males (cont...)**
Lymph Node, Mediastinal	+	M	+	M	M	+	+	M	+	M	M	M	+	+	+	+	+	+	M	M	M	+	M	+	+
Hyperplasia, Lymphoid						3																			
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis								3																	
Artery, Necrosis																						3			
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis																2									
Hematopoietic Cell Proliferation						2			2		2		2		1										1
Hyperplasia, Lymphoid																									
Infarct, Chronic																									
Thymus	+	+	+	+	+	+	+	M	+	I	+	M	+	+	+	M	+	+	+	+	+	+	+	+	+

INTEGUMENTARY SYSTEM

Mammary Gland	M	+	+	+	+	M	+	+	M	+	+	+	M	+	+	M	+	+	+	+	+	+	M	+	+
Galactocele																									
Hyperplasia																			4						
Epithelium, Hyperplasia																									
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst Epithelial Inclusion																									
Foreign Body		X																							
Inflammation, Suppurative, Chronic																									
Inflammation, Chronic Active				4									3												

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DAY ON TEST	061	063	064	071	061	072	071	072	073	072	072	062	073	072	072	073	056	056	073	072	068	072	060	066	073
FISCHER 344 RATS MALE ANIMAL ID	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
125 PPM	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225
males (cont...)																									
Thrombosis				3																					
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle																									
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage																									
Peripheral Nerve																									
Spinal Cord																									
RESPIRATORY SYSTEM																									
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body																									
Inflammation, Chronic Active		1		1	2	1	1		1		1	1		1	1		1	1		3	1	1	2		
Metaplasia, Squamous					1								1							1			1		
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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FISCHER 344 RATS MALE
125 PPM
males (cont...)

DAY ON TEST	061 1	066 3	064 8	071 1	061 8	072 9	071 9	073 0	072 9	072 9	062 7	073 0	072 9	072 9	073 0	056 9	056 8	073 0	072 9	068 7	072 9	060 8	066 6	073 0
ANIMAL ID	0002 01	0002 02	0002 03	0002 04	0002 05	0002 06	0002 07	0002 08	0002 09	0002 10	0002 11	0002 12	0002 13	0002 14	0002 15	0002 16	0002 17	0002 18	0002 19	0002 20	0002 21	0002 22	0002 23	0002 24	0002 25
Hemorrhage		2								2	2				2										
Metaplasia, Osseous																									
Alveolar Epithelium, Hyperplasia		1		3						3	2			2											
Alveolus, Infiltration Cellular, Histiocyte	1	2			1			1		2				1				2					1		
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Degeneration, Hyaline													2												
Foreign Body		X					X			X	X			X	X										
Inflammation, Suppurative, Chronic																									
Inflammation, Chronic Active	1	2		1		1	2		1	2	2	1		2	2	1		2	1	1	2	1		1	1
Epithelium, Accumulation, Hyaline Droplet	1		1	2	2	1	1	2		1	2	1	2		2		1	2	2	2	2	1	2	2	1
Glands, Hyperplasia		2		2			2			2	2			2	2					2	2				
Olfactory Epithelium, Metaplasia, Respiratory		1									1			2				1							
Respiratory Epithelium, Hyperplasia		2		1			2			2	3			2	2	1		2	1		2				
Respiratory Epithelium, Metaplasia, Squamous		1																							
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active				1																					

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Retina, Degeneration																									
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	061	063	064	071	061	072	071	072	073	072	072	062	073	072	072	073	056	056	073	072	068	072	060	066	073
FISCHER 344 RATS MALE ANIMAL ID	0002001	0002002	0002003	0002004	0002005	0002006	0002007	0002008	0002009	0002010	0002011	0002012	0002013	0002014	0002015	0002016	0002017	0002018	0002019	0002020	0002021	0002022	0002023	0002024	0002025
125 PPM																									
Zymbal's Gland																									
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nephropathy, Chronic	1	2	1	4	2	3	2	3	2	2	4	2	3	4	2	3	1		2	3	2	3	1	2	4
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

males (cont...)

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DAY ON TEST	060	061	072	072	072	073	073	073	073	073	056	072	052	072	050	058	031	072	072	056	054	069	070	062	072	
FISCHER 344 RATS MALE ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	*** TOTALS**
125 PPM																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	A	+	**47**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	**48**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	**48**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	**48**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	A	+	**47**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	A	+	**47**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis																			4							**2 3.0**
Basophilic Focus				3			3			3																**9 3.0**
Clear Cell Focus			2	2	2	2	2	2	2	2		2		2				2							2	**25 2.0**
Degeneration, Cystic	2																									**2 2.0**
Eosinophilic Focus			2																							**1 2.0**
Hepatodiaphragmatic Nodule																										**1 4.0**
Mixed Cell Focus																										**1 2.0**
Necrosis																1										**1 1.0**
Vacuolization Cytoplasmic		2	1	1	1	2	1	2	1	1	2	1	3		2	3	2	2		1	2			1	2	**38 1.8**

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DAY ON TEST	0660	0611	0729	0729	0729	0730	0730	0730	0730	0730	0562	0729	0528	0729	0505	0585	0316	0729	0729	0560	0540	0699	0708	0624	0729	
FISCHER 344 RATS MALE ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	*** TOTALS**
125 PPM																										
Mesentery		+			+		+	+				+										+			13	
Necrosis		3			3		3	3				3										3				13 3.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Acinus, Atrophy					2			1												1			2	3		13 2.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation, Chronic Active															1											1 1.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia, Squamous											1															1 1.0
Ulcer		2														2										3 2.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Ulcer		3														2										2 2.5
CARDIOVASCULAR SYSTEM																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Cardiomyopathy		1	2	2	2	2			2	2				2				2				2			2	23 1.8
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia				3	1				3	2			1	1					1					2		21 1.8
Vacuolization Cytoplasmic		1		1							1	2				2		2	1				1			16 1.6

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FISCHER 344 RATS MALE

125 PPM

DAY ON TEST	0660	0611	0729	0729	0729	0730	0730	0730	0730	0730	0562	0729	0528	0729	0505	0585	0316	0729	0729	0560	0540	0699	0708	0624	0729	
ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	*** TOTALS**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia				1	2			2			1								3				2		1	**18 1.9**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia					2			2																	2	**7 1.9**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	**48**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																										**2 3.5**
Hemorrhage															3								4			**2 3.5**
Pars Distalis, Hyperplasia																										**5 2.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Hyperplasia	1		2	3		1	2		2		1	3		2		1		2	2		1		4		2	**31 1.8**
Follicular Cell, Hyperplasia																							2			**1 2.0**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Penis									+		+															**3**
Hyperplasia, Squamous									1																	**1 1.0**

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FISCHER 344 RATS MALE ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	*** TOTALS**
125 PPM																										
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Suppurative, Chronic																										**1 4.0**
Inflammation, Chronic Active			2	2	2	2	2		2	2		2			2	1		2	4			2	3		2	**33 2.1**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia	1	1	2			2		1		1				1		1										**13 1.4**
Inflammation, Suppurative	1	2	2		2		2	1	2	2	3	2	1	2	1	1		2	2	2		1	2	1	2	**42 1.8**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	**49**
Inflammation, Suppurative																										**1 3.0**
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Mineralization														2												**1 2.0**
Germinal Epithelium, Atrophy			4		3					3								4								**8 3.3**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Lymph Node											+											+				**5**
Pancreatic, Angiectasis																										**2 3.0**
Lymph Node, Bronchial	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	+	M	+	M	M	**6**
Angiectasis	3																						3			**2 3.0**
Fibrosis																										**1 2.0**
Hemorrhage																										**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	**1**

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DAY ON TEST	060	061	072	072	072	073	073	073	073	073	056	072	052	072	050	058	031	072	056	054	069	070	062	072	
FISCHER 344 RATS MALE ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	*** TOTALS**
125 PPM																										
Lymph Node, Mediastinal	M	+	M	M	M	+	+	M	+	M	+	+	+	+	+	M	+	M	M	M	+	M	M	M	M	**25**
Hyperplasia, Lymphoid																										**1 3.0**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis																										**1 3.0**
Artery, Necrosis																										**1 3.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Fibrosis																			4							**2 3.0**
Hematopoietic Cell Proliferation			2	1	2	2	2	2	2					2		1							2		2	**17 1.8**
Hyperplasia, Lymphoid				2																						**1 2.0**
Infarct, Chronic											3															**1 3.0**
Thymus	+	M	+	+	+	+	+	+	I	+	+	+	M	+	+	+	+	+	+	+	M	+	M	+	+	**41**

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	M	M	+	+	M	M	+	+	M	+	+	M	M	M	+	+	+	**36**
Galactocele																			4							**1 4.0**
Hyperplasia																										**1 4.0**
Epithelium, Hyperplasia					2																					**1 2.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst Epithelial Inclusion							4																			**1 4.0**
Foreign Body																										**1**
Inflammation, Suppurative, Chronic														4												**1 4.0**
Inflammation, Chronic Active		3																								**3 3.3**

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	DAY ON TEST	0660	0611	0729	0729	0729	0730	0730	0730	0730	0730	0562	0729	0528	0729	0505	0585	0316	0729	0729	0560	0540	0699	0708	0624	0729	
FISCHER 344 RATS MALE	ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	*** TOTALS**
125 PPM																											
Thrombosis																											**1 3.0**
MUSCULOSKELETAL SYSTEM																											
Bone		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Skeletal Muscle														+													**1**
NERVOUS SYSTEM																											
Brain		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage												2															**1 2.0**
Peripheral Nerve														+													**1**
Spinal Cord														+													**1**
RESPIRATORY SYSTEM																											
Larynx		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body																									X		**1**
Inflammation, Chronic Active				1	2	1						1			1		2		1	2	1		1	1	1		**28 1.3**
Metaplasia, Squamous																	1								1		**6 1.0**
Lung		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	0660	0611	0729	0729	0729	0730	0730	0730	0730	0730	0562	0729	0528	0729	0505	0585	0316	0729	0729	0560	0540	0699	0708	0624	0729	
FISCHER 344 RATS MALE ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	*** TOTALS**
125 PPM																										
Hemorrhage					2																					**5 2.0**
Metaplasia, Osseous													2													**1 2.0**
Alveolar Epithelium, Hyperplasia					2						2		1		1			2					1			**11 1.8**
Alveolus, Infiltration Cellular, Histiocyte									1		2	1		1				1					1			**14 1.3**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	**48**
Degeneration, Hyaline																										**1 2.0**
Foreign Body		X							X						X								X			**10**
Inflammation, Suppurative, Chronic									4																	**1 4.0**
Inflammation, Chronic Active	1	2	1	1	1	1	1	1						1	2			2	1	1			2			**33 1.4**
Epithelium, Accumulation, Hyaline Droplet	2	2	2	1	2		1	1	1	1	2	1		1	2			1	1	1				1	1	**39 1.5**
Glands, Hyperplasia	2		2						2					2									2			**14 2.0**
Olfactory Epithelium, Metaplasia, Respiratory		2						1	2			1			2								2			**10 1.5**
Respiratory Epithelium, Hyperplasia		2							2						1								2			**15 1.8**
Respiratory Epithelium, Metaplasia, Squamous																										**1 1.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active																										**1 1.0**

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	**49**
Retina, Degeneration													1													**1 1.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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FISCHER 344 RATS MALE ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	
125 PPM																										
Zymbal's Gland								+																		**1**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Nephropathy, Chronic	1	2	3	3	3	2	3	3	3	3		2	2	3		3		4	4	3		2	2	3	3	**45 2.6**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	068	060	051	069	048	073	060	066	053	059	073	041	072	070	072	056	060	073	061	068	055	053	072	072	072
	82	8	4	8	8	0	3	6	4	0	0	8	9	9	9	1	6	0	2	8	4	4	9	9	9
FISCHER 344 RATS MALE ANIMAL ID	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425
250 PPM																									

males (cont...)

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active													2												
Intestine Large, Colon	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+
Necrosis																									
Intestine Small, Duodenum	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	A	+	A	+	+	+	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active																									
Necrosis																									
Intestine Small, Jejunum	+	A	+	A	+	+	+	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																									
Basophilic Focus											3		3										3		
Clear Cell Focus			2			3					2		2						2	3			2		2
Degeneration, Cystic					2																				
Eosinophilic Focus																									
Mixed Cell Focus											2									2					

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FISCHER 344 RATS MALE
250 PPM
males (cont...)

DAY ON TEST	0682	0608	0514	0698	0488	0730	0603	0666	0534	0590	0730	0418	0729	0709	0729	0561	0606	0730	0612	0688	0554	0534	0729	0729	0729
ANIMAL ID	00401	00402	00403	00404	00405	00406	00407	00408	00409	00410	00411	00412	00413	00414	00415	00416	00417	00418	00419	00420	00421	00422	00423	00424	00425
Necrosis																									
Thrombosis																									
Vacuolization Cytoplasmic	3	2	2		1		3	2	2	1	2	2	3	2	2	1			2			2		1	2
Mesentery					+														+		+		+		
Necrosis					3														3		3		3		
Oral Mucosa																									
Foreign Body																									
Hyperplasia, Squamous																									
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Atrophy					1		3				3	1	1				2			2		1	3		2
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active							2																		
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Squamous																									
Ulcer	2						2																		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Erosion																2									
Ulcer																									
Tongue						+																			
Hyperplasia, Squamous						1																			

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DAY ON TEST	0682	0608	0514	0698	0488	0730	0603	0666	0534	0590	0730	0418	0729	0709	0729	0561	0606	0730	0612	0688	0554	0534	0729	0729	0729
FISCHER 344 RATS MALE ANIMAL ID	00401	00402	00403	00404	00405	00406	00407	00408	00409	00410	00411	00412	00413	00414	00415	00416	00417	00418	00419	00420	00421	00422	00423	00424	00425
250 PPM																									**males (cont...)**
CARDIOVASCULAR SYSTEM																									
Blood Vessel			+							+		+		+				+							
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy				2		2	1			1	1		2	2	1			2		1		1	2		2
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia	2			3				2				1	3					2	1	1					1
Vacuolization Cytoplasmic							1							2											
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia	2			1		2	2	1			2		2					2				1		2	1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia							2						1									1			
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																									
Hemorrhage					2																				
Pars Distalis, Hyperplasia						2			1					1						1		1			2

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DAY ON TEST	0682	0608	0514	0698	0488	0730	0603	0666	0534	0590	0730	0418	0729	0709	0729	0561	0606	0730	0612	0688	0554	0534	0729	0729	0729
FISCHER 344 RATS MALE ANIMAL ID	0040401	0040402	0040403	0040404	0040405	0040406	0040407	0040408	0040409	0040410	0040411	0040412	0040413	0040414	0040415	0040416	0040417	0040418	0040419	0040420	0040421	0040422	0040423	0040424	0040425
250 PPM																									**males (cont...)**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia	2					2	1	2					1	1	2					2			3	1	2

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Coagulating Gland																									
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Penis							+																		
Concretion							2																		
Preputial Gland	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ectasia																									
Inflammation, Chronic Active	2	1	1	2		2					2		2	2	3			2		2			2	1	2
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia				2			2				1							2	1	1			3		
Inflammation, Suppurative	1	1	2	2		2	1	1		1	1		2	2	1		1	2		2	1		2	1	
Seminal Vesicle	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Congestion																									
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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FISCHER 344 RATS MALE ANIMAL ID	0040101	0040102	0040103	0040104	0040105	0040106	0040107	0040108	0040109	0040110	0040111	0040112	0040113	0040114	0040115	0040116	0040117	0040118	0040119	0040120	0040121	0040122	0040123	0040124	0040125
250 PPM																									**males (cont...)**
Mineralization																	1								
Germinal Epithelium, Atrophy					3										2			2							
Interstitial Cell, Hyperplasia																2									

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node																					+				
Deep Cervical, Angiectasis																					3				
Lymph Node, Bronchial	M	M	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Angiectasis																									
Hemorrhage				3																					
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mediastinal	+	+	+	M	+	M	M	M	+	M	M	+	M	+	M	+	M	+	+	+	M	+	M	+	M
Angiectasis												3													
Hyperplasia, Lymphoid			2																						
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis						3																			
Infiltration Cellular, Histiocyte																									
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+
Accessory Spleen																									
Fibrosis																									

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DAY ON TEST	06/82	06/08	05/14	06/98	04/88	07/30	06/03	06/66	05/34	05/90	07/30	04/18	07/29	07/09	07/29	05/61	06/06	07/30	06/12	06/88	05/54	05/34	07/29	07/29	07/29
FISCHER 344 RATS MALE ANIMAL ID	00401	00402	00403	00404	00405	00406	00407	00408	00409	00410	00411	00412	00413	00414	00415	00416	00417	00418	00419	00420	00421	00422	00423	00424	00425
250 PPM																									**males (cont...)**
Hematopoietic Cell Proliferation	2										1		2	2						3			2		1
Hemorrhage, Chronic														4											
Infarct, Chronic														3				3							
Infiltration Cellular, Mononuclear Cell													3												
Thymus	+	+	+	+	+	M	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																									
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	M	+	M	+	M	M	+	+	+	+	+	+	M	M	M	+	+	+	+	+	M	+	+	+
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst Epithelial Inclusion							3																		
Hyperkeratosis																									
Inflammation, Suppurative, Chronic												4													
Inflammation, Chronic Active									4																
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle																									
NERVOUS SYSTEM																									

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DAY ON TEST	0682	0608	0514	0698	0488	0730	0603	0666	0534	0590	0730	0418	0729	0709	0729	0561	0606	0730	0612	0688	0554	0534	0729	0729	0729
FISCHER 344 RATS MALE ANIMAL ID	0040 01	0040 02	0040 03	0040 04	0040 05	0040 06	0040 07	0040 08	0040 09	0041 10	0041 11	0041 12	0041 13	0041 14	0041 15	0041 16	0041 17	0041 18	0041 19	0042 20	0042 21	0042 22	0042 23	0042 24	0042 25
250 PPM																									**males (cont...)**
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage								1																	
Peripheral Nerve																									
Spinal Cord																									
RESPIRATORY SYSTEM																									
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body								X								X									
Inflammation, Chronic Active	1			2	1	1	1	2	1	2	1		2	1		1	2		2	1	1			1	
Metaplasia, Squamous										2						1			1						
Respiratory Epithelium, Hyperplasia													1												
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body										X															
Hemorrhage																									
Inflammation, Suppurative, Chronic										4															
Alveolar Epithelium, Hyperplasia	1													2				2				1			2
Alveolar Epithelium, Metaplasia, Squamous																									
Alveolus, Infiltration Cellular, Histiocyte	2													2	1			2							
Nose	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+
Foreign Body			X	X								X	X					X		X	X		X	X	X
Inflammation, Suppurative, Chronic												4						4							
Inflammation, Chronic Active	1		2	2	1	1	2	2					2	2					1	2	2		2	2	2

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DAY ON TEST	0682	0608	0514	0698	0488	0730	0603	0666	0534	0590	0730	0418	0729	0709	0729	0561	0606	0730	0612	0688	0554	0534	0729	0729	0729
FISCHER 344 RATS MALE ANIMAL ID	0040 01	0040 02	0040 03	0040 04	0040 05	0040 06	0040 07	0040 08	0040 09	0041 10	0041 11	0041 12	0041 13	0041 14	0041 15	0041 16	0041 17	0041 18	0041 19	0042 20	0042 21	0042 22	0042 23	0042 24	0042 25
250 PPM																									**males (cont...)**
Epithelium, Accumulation, Hyaline Droplet			1		2	1	2	1		1				1					1	1	1	1	1	2	2
Glands, Hyperplasia								2						2				2				2	2	2	
Olfactory Epithelium, Atrophy																									
Olfactory Epithelium, Metaplasia, Respiratory			2	1			1					3	2							1			2	2	2
Respiratory Epithelium, Hyperplasia			2	1		1	2	1		1		2	2	2				2		2	1		2	2	2
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active																									

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active																									
Lens, Cataract													3					3							
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Zymbal's Gland					+																				

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																									
Nephropathy, Chronic	3	1	1	2		3	1	2			4		3	2	2		1	3	1	1	1		3	3	3
Cortex, Renal Tubule, Casts Granular																									

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DAY ON TEST	06/82	06/08	05/14	06/98	04/88	07/30	06/03	06/66	05/34	05/90	07/30	04/18	07/29	07/09	07/29	05/61	06/06	07/30	06/12	06/88	05/54	05/34	07/29	07/29	07/29
FISCHER 344 RATS MALE ANIMAL ID	00401	00402	00403	00404	00405	00406	00407	00408	00409	00410	00411	00412	00413	00414	00415	00416	00417	00418	00419	00420	00421	00422	00423	00424	00425
250 PPM																									**males (cont...)**
Urinary Bladder Hemorrhage	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	072 9	063 3	072 5	072 9	072 9	073 0	053 6	061 4	061 8	072 9	052 0	066 8	057 5	069 7	072 9	069 9	072 9	069 0	072 9	061 8	073 0	072 9	069 0	065 8	057 8			
FISCHER 344 RATS MALE ANIMAL ID	000 426	000 427	000 428	000 429	000 430	000 431	000 432	000 433	000 434	000 435	000 436	000 437	000 438	000 439	000 440	000 441	000 442	000 443	000 444	000 445	000 446	000 447	000 448	000 449	000 450			
250 PPM																										*** TOTALS**		

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**		
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**47**		
Inflammation, Chronic Active																											**1**	**2.0**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**		
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**		
Necrosis																								1			**1**	**1.0**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**		
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**46**		
Inflammation, Chronic Active														2													**1**	**2.0**
Necrosis																								1			**1**	**1.0**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**46**		
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**		
Angiectasis														2													**1**	**2.0**
Basophilic Focus					3					3					3		3		3								**8**	**3.0**
Clear Cell Focus	2				2	2				2					3	2			2		2	2					**17**	**2.2**
Degeneration, Cystic																											**1**	**2.0**
Eosinophilic Focus														2													**1**	**2.0**
Mixed Cell Focus					2																						**3**	**2.0**

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FISCHER 344 RATS MALE

250 PPM

DAY ON TEST	072 9	063 3	072 5	072 9	072 9	073 0	053 6	061 4	061 8	072 9	052 0	066 8	057 5	069 7	072 9	069 9	072 9	069 0	072 9	061 8	073 0	072 9	069 0	065 8	057 8	
ANIMAL ID	00426	00427	00428	00429	00430	00431	00432	00433	00434	00435	00436	00437	00438	00439	00440	00441	00442	00443	00444	00445	00446	00447	00448	00449	00450	* TOTALS
Necrosis														3												1 3.0
Thrombosis														2												1 2.0
Vacuolization Cytoplasmic	1	2	2		2	2	2		1	1	2			3		1				2	2	2				32 1.9
Mesentery			+	+					+								+								8	
Necrosis				3					3								3									7 3.0
Oral Mucosa	+					+																			2	
Foreign Body	X																									1
Hyperplasia, Squamous	2																									1 2.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Acinus, Atrophy	2						1	3	1			2			2				1	1				2	3	20 1.9
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation, Chronic Active																						1		2		3 1.7
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia, Squamous														2												1 2.0
Ulcer		2										2		3												5 2.2
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Erosion																										1 2.0
Ulcer														2												1 2.0
Tongue																									1	
Hyperplasia, Squamous																										1 1.0

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DAY ON TEST	072 9	063 3	072 5	072 9	072 9	073 0	053 6	061 4	061 8	072 9	052 0	066 8	057 5	069 7	072 9	069 9	072 9	069 0	072 9	061 8	073 0	072 9	069 0	065 8	057 8	
FISCHER 344 RATS MALE ANIMAL ID	00 426	00 427	00 428	00 429	00 430	00 431	00 432	00 433	00 434	00 435	00 436	00 437	00 438	00 439	00 440	00 441	00 442	00 443	00 444	00 445	00 446	00 447	00 448	00 449	00 450	*** TOTALS**
250 PPM																										
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+		+													+	+								**9**	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cardiomyopathy		1	2			2			2	2	1			2	2				2					2		**23 1.7**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia	1		1	3		2		1				3			2	2				1		1	2	2	2	**22 1.8**
Vacuolization Cytoplasmic				2	2							2		3			1	2					3			**9 2.0**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia	2		1		2				1	4	1	2		2			1		2		3			2		**23 1.8**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia	1																		1		2					**6 1.3**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	M	+	+	+	+	+	**47**	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cyst										3																**1 3.0**
Hemorrhage						3																	4	2	3	**5 2.8**
Pars Distalis, Hyperplasia	1										2				2				1			2				**11 1.5**

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DAY ON TEST	07 29	06 33	07 25	07 29	07 29	07 30	05 36	06 14	06 18	07 29	05 20	06 68	05 75	06 97	07 29	06 99	07 29	06 90	07 29	06 18	07 30	07 29	06 90	06 58	05 78	
FISCHER 344 RATS MALE ANIMAL ID	00 426	00 427	00 428	00 429	00 430	00 431	00 432	00 433	00 434	00 435	00 436	00 437	00 438	00 439	00 440	00 441	00 442	00 443	00 444	00 445	00 446	00 447	00 448	00 449	00 450	*** TOTALS**
250 PPM																										
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Hyperplasia	1	2	2	2	2	2	1	1				1	1	2	2	2	2			2	2	2	2			**29 1.7**
GENERAL BODY SYSTEM																										
NONE																										
GENITAL SYSTEM																										
Coagulating Gland																	+									**1**
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Penis																										**1**
Concretion																										**1 2.0**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Ectasia																							2			**1 2.0**
Inflammation, Chronic Active		3	1	2	2			2		1	1	3		2	2	2	2		1		2	2		2	1	**31 1.8**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia										1						1			2							**10 1.6**
Inflammation, Suppurative		1	2	2	2	1	1	1	1	2	1	2		2	2	2	2	2	1	1	2	2	2		1	**40 1.5**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Congestion			3																							**1 3.0**
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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FISCHER 344 RATS MALE ANIMAL ID	00 426	00 427	00 428	00 429	00 430	00 431	00 432	00 433	00 434	00 435	00 436	00 437	00 438	00 439	00 440	00 441	00 442	00 443	00 444	00 445	00 446	00 447	00 448	00 449	00 450	*** TOTALS**
250 PPM																										
Mineralization																										**1 1.0**
Germinal Epithelium, Atrophy				3		2													3					3		**7 2.6**
Interstitial Cell, Hyperplasia							1																			**2 1.5**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Lymph Node												+											+	+	+	**5**
Deep Cervical, Angiectasis																										**1 3.0**
Lymph Node, Bronchial	M	M	M	M	M	+	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	+	+	**5**
Angiectasis						4								3												**2 3.5**
Hemorrhage																										**1 3.0**
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	**0**
Lymph Node, Mediastinal	M	M	M	M	M	M	M	+	M	+	M	M	I	M	+	+	+	+	M	+	+	M	+	M	+	**23**
Angiectasis																										**1 3.0**
Hyperplasia, Lymphoid																										**1 2.0**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis																										**1 3.0**
Infiltration Cellular, Histiocyte																		3								**1 3.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Accessory Spleen												X														**1**
Fibrosis																			2							**1 2.0**

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DAY ON TEST	072 9	063 3	072 5	072 9	072 9	073 0	053 6	061 4	061 8	072 9	052 0	066 8	057 5	069 7	072 9	069 9	072 9	069 0	072 9	061 8	073 0	072 9	069 0	065 8	057 8	
FISCHER 344 RATS MALE ANIMAL ID	00 426	00 427	00 428	00 429	00 430	00 431	00 432	00 433	00 434	00 435	00 436	00 437	00 438	00 439	00 440	00 441	00 442	00 443	00 444	00 445	00 446	00 447	00 448	00 449	00 450	*** TOTALS**
250 PPM																										
Hematopoietic Cell Proliferation	1			3		1				1				4				1								**13 1.8**
Hemorrhage, Chronic																										**1 4.0**
Infarct, Chronic																										**2 3.0**
Infiltration Cellular, Mononuclear Cell																										**1 3.0**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	**47**
Cyst												4														**1 4.0**
INTEGUMENTARY SYSTEM																										
Mammary Gland	M	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	**39**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst Epithelial Inclusion																										**1 3.0**
Hyperkeratosis																					2			4		**2 3.0**
Inflammation, Suppurative, Chronic										4																**2 4.0**
Inflammation, Chronic Active																					2				3	**3 3.0**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Skeletal Muscle			+								+	+														**3**
NERVOUS SYSTEM																										

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FISCHER 344 RATS MALE ANIMAL ID	00 426	00 427	00 428	00 429	00 430	00 431	00 432	00 433	00 434	00 435	00 436	00 437	00 438	00 439	00 440	00 441	00 442	00 443	00 444	00 445	00 446	00 447	00 448	00 449	00 450	*** TOTALS**
250 PPM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage																							3			**2 2.0**
Peripheral Nerve											+	+														**2**
Spinal Cord											+	+														**2**
RESPIRATORY SYSTEM																										
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body								X		X				X												**5**
Inflammation, Chronic Active	1	2	1			1		2	1	2			2	2	1			1	1	1					1	**31 1.4**
Metaplasia, Squamous		1						1	1	1				1												**8 1.1**
Respiratory Epithelium, Hyperplasia																										**1 1.0**
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body																										**1**
Hemorrhage																									2	**1 2.0**
Inflammation, Suppurative, Chronic																										**1 4.0**
Alveolar Epithelium, Hyperplasia			2		2		3	2													2	1	2		2	**13 1.8**
Alveolar Epithelium, Metaplasia, Squamous	1																									**1 1.0**
Alveolus, Infiltration Cellular, Histiocyte				1				1		1	1			1			1						2	1	3	**13 1.5**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Foreign Body													X		X							X	X	X		**15**
Inflammation, Suppurative, Chronic																										**2 4.0**
Inflammation, Chronic Active	1		1	2	1	1	1		2	1			2	1	2	1	1	1	1		1	2	1	1		**34 1.5**

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2) Mild 4) Marked

DAY ON TEST	072 9	063 3	072 5	072 9	072 9	073 0	053 6	061 4	061 8	072 9	052 0	066 8	057 5	069 7	072 9	069 9	072 9	069 0	072 9	061 8	073 0	072 9	069 0	065 8	057 8	
FISCHER 344 RATS MALE ANIMAL ID	0042 6	0042 7	0042 8	0042 9	0043 0	0043 1	0043 2	0043 3	0043 4	0043 5	0043 6	0043 7	0043 8	0043 9	0044 0	0044 1	0044 2	0044 3	0044 4	0044 5	0044 6	0044 7	0044 8	0044 9	0045 0	*** TOTALS**
250 PPM																										
Epithelium, Accumulation, Hyaline Droplet	1	1	1	2	1	2	1		2	2		1	1	1	2	1	2	1	1	1	1	1	1		1	**36 1.3**
Glands, Hyperplasia				2	2	2			2	2				2	2							2				**14 2.0**
Olfactory Epithelium, Atrophy																					1					**1 1.0**
Olfactory Epithelium, Metaplasia, Respiratory													1									1	1			**12 1.6**
Respiratory Epithelium, Hyperplasia									2				1		2							2		1		**20 1.7**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active																		1								**1 1.0**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active										1																**1 1.0**
Lens, Cataract											3															**3 3.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Zymbal's Gland						+																				**2**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst										3																**1 3.0**
Nephropathy, Chronic	3	2	3	4	3	3	1		2	3	1			4	2	1		2	4	2	3	2	2	1		**39 2.3**
Cortex, Renal Tubule, Casts Granular																				1					1	**2 1.0**

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

DAY ON TEST	072	063	072	072	072	073	053	061	061	072	052	066	055	069	072	069	072	069	072	061	073	072	069	065	057	
FISCHER 344 RATS MALE ANIMAL ID	00426	00427	00428	00429	00430	00431	00432	00433	00434	00435	00436	00437	00438	00439	00440	00441	00442	00443	00444	00445	00446	00447	00448	00449	00450	*** TOTALS**
250 PPM																										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage			3																							**1 3.0**

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FISCHER 344 RATS MALE
500 PPM
males (cont...)

DAY ON TEST	0500	0688	0422	0394	0575	0653	0527	0453	0666	0697	0729	0701	0730	0659	0730	0729	0562	0577	0729	0624	0660	0702	0581	0484	0562
ANIMAL ID	00601	00602	00603	00604	00605	00606	00607	00608	00609	00610	00611	00612	00613	00614	00615	00616	00617	00618	00619	00620	00621	00622	00623	00624	00625
ALIMENTARY SYSTEM																									
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Necrosis																									
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basophilic Focus										3	3		3			3			3						
Clear Cell Focus										2	2	2	2	X				2							2
Degeneration, Cystic													2			2			2						
Eosinophilic Focus																									
Hemorrhage																									
Hepatodiaphragmatic Nodule																					4				
Necrosis														3											
Vacuolization Cytoplasmic	2	2		2	2	4	2		2	2	3	2	2	3	2	2	2	3	2	3	3		2	2	2

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FISCHER 344 RATS MALE
500 PPM
males (cont...)

DAY ON TEST	0500	0688	0422	0394	0575	0653	0527	0453	0666	0697	0729	0701	0730	0659	0730	0729	0562	0577	0729	0624	0660	0702	0581	0484	0562
ANIMAL ID	0006001	0006002	0006003	0006004	0006005	0006006	0006007	0006008	0006009	0006010	0006011	0006012	0006013	0006014	0006015	0006016	0006017	0006018	0006019	0006020	0006021	0006022	0006023	0006024	0006025
Mesentery	+	+	+	+	+			+				+		+				+		+	+	+			
Necrosis	3	3	3	3	3			3				3						3			3	3			
Oral Mucosa		+							+				+												
Foreign Body									X				X												
Inflammation, Chronic Active									2				2												
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basophilic Focus												1													
Cyst																									
Fibrosis																				4					
Necrosis																									
Acinus, Atrophy		1			1	2		2		1	1				1	2						2			2
Artery, Inflammation																									
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active																							2		
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Squamous						2																			
Ulcer									2											2					
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epithelium, Hyperplasia																									
Tongue																									
Hyperplasia, Squamous																									

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DAY ON TEST	050	068	042	039	057	065	052	045	066	069	072	070	073	065	073	072	056	057	072	062	066	070	058	048	056
FISCHER 344 RATS MALE ANIMAL ID	00601	00602	00603	00604	00605	00606	00607	00608	00609	00610	00611	00612	00613	00614	00615	00616	00617	00618	00619	00620	00621	00622	00623	00624	00625
500 PPM																									**males (cont...)**
CARDIOVASCULAR SYSTEM																									
Blood Vessel		+		+																				+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy		2					2			2	2				2				2			2	1		
Atrium, Thrombosis														3											
Ventricle, Thrombosis															3										
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia									1	2		1		2		2			1	1	1	2			
Vacuolization Cytoplasmic		1				3							4		2			1		1			1		
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia			1			2							2		2							2			1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia		1						2				1		2							4				
Parathyroid Gland	+	+	M	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Hyperplasia						2																2			

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DAY ON TEST	050	068	042	039	057	065	052	045	066	069	072	070	073	065	073	072	056	057	072	062	066	070	058	048	056
FISCHER 344 RATS MALE ANIMAL ID	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006
500 PPM	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...)																									
Thyroid Gland	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ultimobranchial Cyst						2																			
C-cell, Hyperplasia		1	2		4	4			1	1		1	1	1	2	1			1	1	2	1			
GENERAL BODY SYSTEM																									
Peritoneum																								+	
Inflammation, Suppurative, Chronic																								4	
GENITAL SYSTEM																									
Coagulating Gland				+																					
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Penis																							+		
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ectasia							3																		
Hyperplasia															2										
Inflammation, Chronic Active	1	2				2	3	1		2	2	1	2		2	1	1	2	3	2	2	3	2		1
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia		1	1							1	2		2					1	2			1			
Inflammation, Suppurative, Chronic																									
Inflammation, Suppurative	1	1	1	1	1				2	1	2	2	2	1	4	1		1	1	1	1	1	2		

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DAY ON TEST	050	068	042	039	057	065	052	045	066	069	072	070	073	065	073	072	056	057	072	062	066	070	058	048	056
FISCHER 344 RATS MALE ANIMAL ID	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006
500 PPM	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...)																									
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Dilatation												3													
Hyperplasia												2													
Inflammation, Suppurative															4										
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Germinal Epithelium, Atrophy															3										
Interstitial Cell, Hyperplasia						1																			
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node																									
Pancreatic, Hemorrhage																									
Lymph Node, Bronchial	M	M	+	+	M	M	M	M	M	M	M	M	M	+	M	M	M	M	+	M	M	+	M	M	M
Hemorrhage														2											
Hyperplasia, Lymphoid			2																3			2			
Lymph Node, Mandibular	M	M	M	+	M	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	+	M
Angiectasis																								3	
Lymph Node, Mediastinal	+	+	M	+	M	M	+	+	+	M	+	M	+	M	+	+	+	+	M	+	+	+	+	M	+
Angiectasis																									3
Hyperplasia, Lymphoid	2																								
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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FISCHER 344 RATS MALE
500 PPM
males (cont...)

DAY ON TEST	0500	0688	0422	0394	0575	0653	0527	0453	0666	0697	0729	0701	0730	0659	0730	0729	0562	0577	0729	0624	0660	0702	0581	0484	0562
ANIMAL ID	0006001	0006002	0006003	0006004	0006005	0006006	0006007	0006008	0006009	0006010	0006011	0006012	0006013	0006014	0006015	0006016	0006017	0006018	0006019	0006020	0006021	0006022	0006023	0006024	0006025
Angiectasis						3																			
Hyperplasia, Lymphoid			2																						
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation											2			3					1			2			
Hemorrhage, Chronic																									
Infarct, Chronic																						4			
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	M	M	M	+	+	+	+	M	+	+	+	M	+	+	M	+	+	M	+	+	+	+	+
Epithelium, Hyperplasia																									
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Squamous																									
Inflammation, Suppurative, Chronic		4	4						4	4									4					4	
Inflammation, Chronic Active								1										3							
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis																			4						
Hyperostosis																									
Inflammation, Suppurative, Chronic												4												4	

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DAY ON TEST	0500	0688	0422	0394	0575	0653	0527	0453	0666	0697	0729	0701	0730	0659	0730	0729	0562	0577	0729	0624	0660	0702	0581	0484	0562
FISCHER 344 RATS MALE ANIMAL ID	0006001	0006002	0006003	0006004	0006005	0006006	0006007	0006008	0006009	0006010	0006011	0006012	0006013	0006014	0006015	0006016	0006017	0006018	0006019	0006020	0006021	0006022	0006023	0006024	0006025
500 PPM																									**males (cont...)**
Skeletal Muscle						+				+				+											
Inflammation, Suppurative, Chronic										4															
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage									2																
Peripheral Nerve						+																			
Spinal Cord						+																			
RESPIRATORY SYSTEM																									
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body							X																		
Inflammation, Suppurative, Chronic																									4
Inflammation, Chronic Active	1			1		1	2	2			2		1	1		1	1				1	2	1		
Metaplasia, Squamous											1														2
Respiratory Epithelium, Hyperplasia																									2
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage																									
Inflammation, Suppurative, Chronic			4					4																	4
Inflammation, Chronic Active	1																								
Alveolar Epithelium, Hyperplasia	1				1							1								1					
Alveolus, Infiltration Cellular, Histiocyte									1													2		1	

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DAY ON TEST	0500	0688	0422	0394	0575	0653	0527	0453	0666	0697	0729	0701	0730	0659	0730	0729	0562	0577	0729	0624	0660	0702	0581	0484	0562
FISCHER 344 RATS MALE ANIMAL ID	0006001	0006002	0006003	0006004	0006005	0006006	0006007	0006008	0006009	0006010	0006011	0006012	0006013	0006014	0006015	0006016	0006017	0006018	0006019	0006020	0006021	0006022	0006023	0006024	0006025
500 PPM																									**males (cont...)**
Artery, Inflammation																									
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body		X										X		X											
Inflammation, Suppurative, Chronic												4		4										4	
Inflammation, Chronic Active	1	2	1	1	1	1	1		2	1	2				2	2	1	1		1	1	1	2		2
Epithelium, Accumulation, Hyaline Droplet	2		2	1	2	2	1	1	1	2	2		1	2	1	1		1	1		1	2	1	1	1
Glands, Hyperplasia											2	2		2	2								2	2	2
Olfactory Epithelium, Metaplasia, Respiratory		1										2		2									2	3	1
Respiratory Epithelium, Hyperplasia		2										3		2		1		1					2	3	
Respiratory Epithelium, Metaplasia, Squamous												2		1											
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active	1			1																					3
Epithelium, Hyperplasia																									2

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active			2																						
Lens, Cataract								3					3												
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Suppurative, Chronic								4																	
Zymbal's Gland	+						+																		

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DAY ON TEST	050	068	042	039	057	065	052	045	066	069	072	070	073	065	073	072	056	057	072	062	066	070	058	048	056
FISCHER 344 RATS MALE ANIMAL ID	0006001	0006002	0006003	0006004	0006005	0006006	0006007	0006008	0006009	0006010	0006011	0006012	0006013	0006014	0006015	0006016	0006017	0006018	0006019	0006020	0006021	0006022	0006023	0006024	0006025
500 PPM																									**males (cont...)**
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Cyst																	3								
Nephropathy, Chronic	2	3	1		2	4			3	2	4	2	3		3	3	1	1	2	2	2	2	2	1	1
Pelvis, Inflammation, Chronic Active												2			2										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active												2													
Transitional Epithelium, Hyperplasia												4													

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DAY ON TEST	061	063	072	072	072	068	067	070	073	066	066	066	063	044	064	072	063	072	071	057	072	072	044	068	072	066	
	1	9	5	9	9	2	0	9	0	0	0	0	5	9	2	9	5	9	0	7	9	9	6	7	9	3	
FISCHER 344 RATS MALE ANIMAL ID	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	
500 PPM	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650		*** TOTALS**
ALIMENTARY SYSTEM																											
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Large, Cecum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**	
Intestine Large, Colon	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**	
Intestine Large, Rectum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Necrosis																						1					**1 1.0**
Intestine Small, Duodenum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**	
Intestine Small, Ileum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**	
Intestine Small, Jejunum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Basophilic Focus					3				3								3									**8 3.0**	
Clear Cell Focus			2		2			2							2		2			2	2				2	**15 2.0**	
Degeneration, Cystic									3																	**4 2.3**	
Eosinophilic Focus									3																	**1 3.0**	
Hemorrhage																		3								**1 3.0**	
Hepatodiaphragmatic Nodule																3										**2 3.5**	
Necrosis																										**1 3.0**	
Vacuolization Cytoplasmic			3		2			2	3		2		3	2	2	2	2		2	2	2	3		3		**37 2.3**	

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FISCHER 344 RATS MALE
500 PPM

DAY ON TEST	061	063	072	072	072	068	067	070	073	073	066	066	066	063	044	064	072	063	072	071	057	072	072	044	068	072	066
ANIMAL ID	00626	00627	00628	00629	00630	00631	00632	00633	00634	00635	00636	00637	00638	00639	00640	00641	00642	00643	00644	00645	00646	00647	00648	00649	00650	*** TOTALS**	
Mesentery		+		+		+		+	+					+										+		**19**	
Necrosis		3		3		3		3	3					3										3			**17 3.0**
Oral Mucosa														+												**4**	
Foreign Body																											**2**
Inflammation, Chronic Active																											**2 2.0**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Basophilic Focus																											**1 1.0**
Cyst								3																			**1 3.0**
Fibrosis																											**1 4.0**
Necrosis						2																					**1 2.0**
Acinus, Atrophy				2		3	2	2	2	2		1			2	3	2	2						2	3		**23 1.9**
Artery, Inflammation	3																										**1 3.0**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation, Chronic Active													2														**2 2.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia, Squamous																											**1 2.0**
Ulcer									2													2					**4 2.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Epithelium, Hyperplasia			2																								**1 2.0**
Tongue																+										**1**	
Hyperplasia, Squamous																3											**1 3.0**

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DAY ON TEST	061	063	072	072	072	068	067	070	073	066	066	066	063	044	064	072	063	072	071	057	072	072	044	068	072	066
FISCHER 344 RATS MALE ANIMAL ID	00062	00062	00062	00062	00063	00063	00063	00063	00063	00063	00063	00063	00063	00063	00063	00064	00064	00064	00064	00064	00064	00064	00064	00064	00064	00065
500 PPM	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	50	*** TOTALS**
CARDIOVASCULAR SYSTEM																											
Blood Vessel						+																				**4**	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cardiomyopathy			2	2	1	1									2				1	2							**15 1.7**
Atrium, Thrombosis									3																		**2 3.0**
Ventricle, Thrombosis																											**1 3.0**
ENDOCRINE SYSTEM																											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia			1	4		2		2			1				1		1	2		1	2		2			**20 1.6**
Vacuolization Cytoplasmic								1	2					1	1						2						**12 1.7**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia		1	2	3		2	2					1		1	2			2	1		1	1	1				**19 1.6**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia			1												2	2			1								**9 1.8**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	**46**	
Pituitary Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Pars Distalis, Hyperplasia					1	2	1							2						2							**7 1.7**

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DAY ON TEST	061	063	072	072	072	068	067	070	073	066	066	066	063	044	064	072	063	072	071	057	072	072	044	068	072	066
FISCHER 344 RATS MALE ANIMAL ID	00626	00627	00628	00629	00630	00631	00632	00633	00634	00635	00636	00637	00638	00639	00640	00641	00642	00643	00644	00645	00646	00647	00648	00649	00650	*** TOTALS**
500 PPM																										
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Ultimobranchial Cyst																										**1 2.0**
C-cell, Hyperplasia	1		2	2	1	1		2		3	1	1	2		1	1	2		1		1	1	1	1	2	**34 1.5**
GENERAL BODY SYSTEM																										
Peritoneum									+																	**2**
Inflammation, Suppurative, Chronic																										**1 4.0**
GENITAL SYSTEM																										
Coagulating Gland						+																				**2**
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Penis																										**1**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ectasia																										**1 3.0**
Hyperplasia																										**1 2.0**
Inflammation, Chronic Active		1	2	2		2	1	2	2	2		2			2	1	2		3	1	1		2	1	1	**37 1.8**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia	1		1	2	3		2													1	1		1	1		**17 1.4**
Inflammation, Suppurative, Chronic						4																				**1 4.0**
Inflammation, Suppurative			2	1	2		1	1	2	1				1	2	1		1	1		1	2	1	2	1	**36 1.4**

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FISCHER 344 RATS MALE ANIMAL ID	00062	00062	00062	00062	00063	00063	00063	00063	00063	00063	00063	00063	00063	00063	00063	00064	00064	00064	00064	00064	00064	00064	00064	00064	00064	00065		
500 PPM	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650		*** TOTALS**	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**		
Dilatation																											**1**	**3.0**
Hyperplasia																											**1**	**2.0**
Inflammation, Suppurative						4																					**2**	**4.0**
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**		
Germinal Epithelium, Atrophy		2		3	3					3					3												**6**	**2.8**
Interstitial Cell, Hyperplasia																											**1**	**1.0**
HEMATOPOIETIC SYSTEM																												
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**		
Lymph Node				+					+	+		+														**4**		
Pancreatic, Hemorrhage									2																		**1**	**2.0**
Lymph Node, Bronchial	+	M	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	+	M	M	**8**	
Hemorrhage																											**1**	**2.0**
Hyperplasia, Lymphoid	3																										**4**	**2.5**
Lymph Node, Mandibular	M	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	+	**6**		
Angiectasis																											**1**	**3.0**
Lymph Node, Mediastinal	M	+	+	M	+	+	+	M	M	+	+	+	+	+	+	+	M	+	+	M	M	+	M	M	M	**32**		
Angiectasis															3			3									**3**	**3.0**
Hyperplasia, Lymphoid														3													**2**	**2.5**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**		

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FISCHER 344 RATS MALE ANIMAL ID	00626	00627	00628	00629	00630	00631	00632	00633	00634	00635	00636	00637	00638	00639	00640	00641	00642	00643	00644	00645	00646	00647	00648	00649	00650	*** TOTALS**
500 PPM																										
Angiectasis			2																							**2 2.5**
Hyperplasia, Lymphoid																										**1 2.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hematopoietic Cell Proliferation									3						2											**6 2.2**
Hemorrhage, Chronic		4				3	4																			**3 3.7**
Infarct, Chronic		3		3																						**3 3.3**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	M	+	+	M	+	**46**
INTEGUMENTARY SYSTEM																										
Mammary Gland	M	+	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	M	+	+	M	M	+	+	M	**36**
Epithelium, Hyperplasia																	1									**1 1.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia, Squamous												1														**1 1.0**
Inflammation, Suppurative, Chronic	4												4					4							4	**10 4.0**
Inflammation, Chronic Active						3	3																			**4 2.5**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Fibrosis																										**1 4.0**
Hyperostosis																		1								**1 1.0**
Inflammation, Suppurative, Chronic																										**2 4.0**

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FISCHER 344 RATS MALE ANIMAL ID	00062	00062	00062	00062	00063	00063	00063	00063	00063	00063	00063	00063	00063	00063	00063	00064	00064	00064	00064	00064	00064	00064	00064	00064	00064	00065
500 PPM	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	*** TOTALS**
Skeletal Muscle																										**3**
Inflammation, Suppurative, Chronic																										**1 4.0**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage											2															**2 2.0**
Peripheral Nerve																										**1**
Spinal Cord																										**1**
RESPIRATORY SYSTEM																										
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body																										**1**
Inflammation, Suppurative, Chronic																										**1 4.0**
Inflammation, Chronic Active	1						2		1	1			2	1				1	1		2	1	1	1	2	**26 1.3**
Metaplasia, Squamous														1									1		1	**5 1.2**
Respiratory Epithelium, Hyperplasia																										**1 2.0**
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage																					2					**1 2.0**
Inflammation, Suppurative, Chronic																										**3 4.0**
Inflammation, Chronic Active													3	1												**3 1.7**
Alveolar Epithelium, Hyperplasia		1			1											1				2	1		1		1	**11 1.1**
Alveolus, Infiltration Cellular, Histiocyte		1			1	4			2							2			1		1				4	**11 1.8**

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DAY ON TEST	061 1	063 9	072 5	072 9	072 9	068 2	067 0	070 9	073 0	066 0	066 0	063 5	044 9	064 2	072 9	063 5	072 9	071 0	057 7	072 9	072 9	044 6	068 7	072 9	066 3	
FISCHER 344 RATS MALE ANIMAL ID	000 626	000 627	000 628	000 629	000 630	000 631	000 632	000 633	000 634	000 635	000 636	000 637	000 638	000 639	000 640	000 641	000 642	000 643	000 644	000 645	000 646	000 647	000 648	000 649	000 650	*** TOTALS**
500 PPM																										
Artery, Inflammation																		2								**1 2.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body	X		X		X	X	X		X									X						X		**11**
Inflammation, Suppurative, Chronic	4				4	4			4																	**7 4.0**
Inflammation, Chronic Active		1	2	2			2	1			1	1	2	2		1		2	2	1	1	2		2		**35 1.5**
Epithelium, Accumulation, Hyaline Droplet	1	2	1	2	1	1	2	1	2	2	1	1	2	1		1	1	1	1	2	1	1		1	1	**44 1.3**
Glands, Hyperplasia	2	2			2	2	2		2				2								2					**15 2.0**
Olfactory Epithelium, Metaplasia, Respiratory	3			1	1	2	2		2																	**12 1.8**
Respiratory Epithelium, Hyperplasia	2		2	2	2	2	2		2									1	2					2		**17 1.9**
Respiratory Epithelium, Metaplasia, Squamous																										**2 1.5**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active													1													**4 1.5**
Epithelium, Hyperplasia																										**1 2.0**

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active												1														**2 1.5**
Lens, Cataract																										**2 3.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Suppurative, Chronic																		4								**2 4.0**
Zymbal's Gland																										**2**

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DAY ON TEST	061	063	072	072	072	068	067	070	073	066	066	066	063	044	064	072	063	072	071	057	072	072	044	068	072	066	
	139	259	299	299	299	822	700	909	300	000	600	605	359	499	422	299	355	299	100	577	299	299	466	877	299	633	
FISCHER 344 RATS MALE ANIMAL ID	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	
500 PPM	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650		*** TOTALS**
URINARY SYSTEM																											
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Cyst																											**1 3.0**
Nephropathy, Chronic	2	2	4	2	3	1	3	3	3		2	3		3	3	1	3	2	2	3	2	1	3	3	1		**44 2.3**
Pelvis, Inflammation, Chronic Active																											**2 2.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation, Chronic Active																											**1 2.0**
Transitional Epithelium, Hyperplasia																											**1 4.0**

*** END OF MALE DATA ***

DAY ON TEST	07 32	07 32	07 32	07 31	06 38	07 31	06 77	06 33	06 94	07 32	07 31	07 32	06 83	07 31	07 32	07 16	06 12	07 32	07 31	07 26	07 31	07 32	07 32	07 30	07 31
FISCHER 344 RATS FEMALE ANIMAL ID	00 01	00 01	00 01	00 01	00 01	00 01	00 01	00 01	00 01	00 01	00 11	00 11	00 11	00 11	00 11	00 11	00 11	00 11	00 11	00 12	00 12	00 12	00 12	00 12	00 12
CONTROL	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
females (cont...)																									
ALIMENTARY SYSTEM																									
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	A	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis			3																						2
Basophilic Focus	3		3	3			3		3	3	3	3	3	3	3		3	3	3	3		3	3	3	3
Clear Cell Focus			2	1	2		2				2		3	2	2	3		2	2			2	3	3	2
Cyst																				2					
Eosinophilic Focus																									
Hepatodiaphragmatic Nodule															4						4				
Mixed Cell Focus														3				3							
Necrosis																									
Vacuolization Cytoplasmic	2	1	2	1	1	2	2		1	1	1		2	2	2	4		2	2	3	1	2	3	3	2
Serosa, Fibrosis																							2		

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

DAY ON TEST	07 32	07 32	07 32	07 31	06 38	07 31	06 77	06 33	06 94	07 32	07 31	07 32	06 83	07 31	07 32	07 16	06 12	07 32	07 31	07 26	07 31	07 32	07 32	07 30	07 31
FISCHER 344 RATS FEMALE ANIMAL ID	00 101	00 102	00 103	00 104	00 105	00 106	00 107	00 108	00 109	00 110	00 111	00 112	00 113	00 114	00 115	00 116	00 117	00 118	00 119	00 120	00 121	00 122	00 123	00 124	00 125
CONTROL																									**females (cont...)**
Mesentery			+					+			+								+					+	
Necrosis			3					3			3								3					3	
Oral Mucosa															+										
Hyperplasia, Squamous															2										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Atrophy	2									2		1		2					1						
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Basal Cell																								2	
Hyperplasia, Squamous																									1
Ulcer																2									
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ulcer								3								1									
CARDIOVASCULAR SYSTEM																									
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	2	1		1						1	2	1		2	1			2	1	1		1	2	2	1
Atrium, Thrombosis																3									

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DAY ON TEST	07 32	07 32	07 32	07 31	06 38	07 31	06 77	06 33	06 94	07 32	07 31	07 32	06 83	07 31	07 32	07 16	06 12	07 32	07 31	07 26	07 31	07 32	07 32	07 30	07 31
FISCHER 344 RATS FEMALE ANIMAL ID	00 101	00 102	00 103	00 104	00 105	00 106	00 107	00 108	00 109	00 110	00 111	00 112	00 113	00 114	00 115	00 116	00 117	00 118	00 119	00 120	00 121	00 122	00 123	00 124	00 125
CONTROL																									**females (cont...)**
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Degeneration, Cystic																									
Hyperplasia		1		2		1					2			1	2		3	2			2	2	1	2	
Vacuolization Cytoplasmic			1								2		2		3										1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia											2											3			
Metaplasia, Osseous																									
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																2		4							
Hemorrhage												3													
Pars Distalis, Hyperplasia																2									
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ultimobranchial Cyst																						2			
C-cell, Hyperplasia	2	4	2	2		1	2				1	2	4	2		3		2	1	2	2	2	4	2	2
GENERAL BODY SYSTEM																									
NONE																									

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DAY ON TEST	0732	0732	0732	0731	0638	0731	0677	0633	0694	0732	0731	0732	0683	0731	0732	0716	0612	0732	0731	0726	0731	0732	0732	0730	0731
FISCHER 344 RATS FEMALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
CONTROL																									**females (cont...)**
GENITAL SYSTEM																									
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia				4																					
Inflammation, Chronic Active	2	1	2	1		1				2				2	1			1			1			2	2
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst													2												4
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Vagina												+		+											
Muscularis, Hypertrophy												3		3											
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Histiocytic																									
Lymph Node																									
Inflammation, Chronic Active																									
Lymph Node, Bronchial	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
Angiectasis																									
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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DAY ON TEST	0732	0732	0732	0731	0638	0731	0677	0633	0694	0732	0731	0732	0683	0731	0732	0716	0612	0732	0731	0726	0731	0732	0732	0730	0731
FISCHER 344 RATS FEMALE ANIMAL ID	00101	00102	00103	00104	00105	00106	00107	00108	00109	00110	00111	00112	00113	00114	00115	00116	00117	00118	00119	00120	00121	00122	00123	00124	00125
CONTROL																									**females (cont...)**
Lymph Node, Mediastinal	M	+	+	M	M	+	+	+	+	+	+	M	M	+	M	+	M	+	+	+	M	+	+	M	M
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid																									
Infiltration Cellular, Histiocyte																				2					
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation	2	3	2	1		1	2		3			2	1	2	1			2	2		2		2	2	1
Hemorrhage, Chronic																									
Infarct, Chronic																3									
Thymus	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																	2								
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Galactocele																									
Hyperplasia																									
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperkeratosis																									
Inflammation, Chronic Active																									
MUSCULOSKELETAL SYSTEM																									

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DAY ON TEST	0732	0732	0732	0731	0638	0731	0677	0633	0694	0732	0731	0732	0683	0731	0732	0716	0612	0732	0731	0726	0731	0732	0732	0730	0731
FISCHER 344 RATS FEMALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025
CONTROL																									**females (cont...)**
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
RESPIRATORY SYSTEM																									
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body		X	X						X										X						
Inflammation, Chronic Active	1	1	1				1		1					1				1	2		2				
Metaplasia, Squamous									1												2				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage															3								2		
Inflammation, Chronic Active																			2		2				2
Alveolar Epithelium, Hyperplasia				1							2				1	1			1		1		1		
Alveolus, Infiltration Cellular, Histiocyte	1	1		1		1	1			2	2		1		1	1		1			2		2	1	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body																							X		X
Inflammation, Chronic Active			1	1		1			1	1		1				1		1	2				2		2
Epithelium, Accumulation, Hyaline Droplet	1	1	1	1		1	1	1	1	1	1	1	1	2	1	1	1	1		1	1	1	1	1	1
Glands, Hyperplasia																					2				
Olfactory Epithelium, Hyperplasia		1																							
Olfactory Epithelium, Metaplasia, Respiratory																			2						2
Respiratory Epithelium, Hyperplasia																			1				1		1

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DAY ON TEST	0732	0732	0732	0731	0638	0731	0677	0633	0694	0732	0731	0732	0683	0731	0732	0716	0612	0732	0731	0726	0731	0732	0732	0730	0731
FISCHER 344 RATS FEMALE ANIMAL ID	00101	00102	00103	00104	00105	00106	00107	00108	00109	00110	00111	00112	00113	00114	00115	00116	00117	00118	00119	00120	00121	00122	00123	00124	00125
CONTROL																									**females (cont...)**
Respiratory Epithelium, Metaplasia, Squamous																									
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lens, Cataract																									3
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Zymbal's Gland																	+								
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																									
Nephropathy, Chronic	2	2	2	1		1	1			1	1	2	2	3	1					1	2	2	2	1	2
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

DAY ON TEST	073	073	070	063	043	066	073	073	073	073	073	073	063	073	064	073	073	049	073	073	073	073	073	073	073	068
FISCHER 344 RATS FEMALE ANIMAL ID	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001
CONTROL	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	*** TOTALS**

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	**47**	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	**47**	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	**47**	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	**47**	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	**46**	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	**47**	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Angiectasis	3																										**3 2.7**
Basophilic Focus	3	3	3		3	3	3	3	3	3	3	3		3	3	3	3		3	3	3		3	3	3		**40 3.0**
Clear Cell Focus	2	2	3			3				2	2		3	3	3				2	3		3	2	3	2		**30 2.4**
Cyst																											**1 2.0**
Eosinophilic Focus		2																									**1 2.0**
Hepatodiaphragmatic Nodule										4						4											**4 4.0**
Mixed Cell Focus																											**2 3.0**
Necrosis																						3					**1 3.0**
Vacuolization Cytoplasmic	1	1	4			3	1	3	2	2	2		4	3	4	2	1					3	2	2	2		**40 2.1**
Serosa, Fibrosis																											**1 2.0**

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DAY ON TEST	0730	0731	0701	0639	0438	0660	0732	0732	0732	0731	0732	0732	0633	0731	0647	0730	0732	0493	0732	0732	0730	0730	0732	0730	0687	
FISCHER 344 RATS FEMALE ANIMAL ID	00126	00127	00128	00129	00130	00131	00132	00133	00134	00135	00136	00137	00138	00139	00140	00141	00142	00143	00144	00145	00146	00147	00148	00149	00150	*** TOTALS**
CONTROL																										
Mesentery					+	+		+	+	+										+	+	+				**13**
Necrosis					3	3		3	3	3										3	3	3				**13 3.0**
Oral Mucosa																			+							**2**
Hyperplasia, Squamous																			3							**2 2.5**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Acinus, Atrophy	2											1								2			1			**9 1.6**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia, Basal Cell																										**1 2.0**
Hyperplasia, Squamous			2										3		2											**4 2.0**
Ulcer															3											**2 2.5**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ulcer				1																						**3 1.7**
CARDIOVASCULAR SYSTEM																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	2	1	1			1	1	1	2	1	2	2	1			1	2		2	2	1	1	1	2	1	**35 1.4**
Atrium, Thrombosis																										**1 3.0**

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DAY ON TEST	0730	0731	0701	0639	0438	0660	0732	0732	0732	0731	0732	0732	0633	0731	0647	0730	0732	0493	0732	0732	0730	0730	0732	0730	0687	
FISCHER 344 RATS FEMALE ANIMAL ID	0012	0017	0018	0019	0020	0021	0022	0023	0024	0025	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	
CONTROL	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**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Degeneration, Cystic										4																**1 4.0**
Hyperplasia			2			2	2	2	2			4	1	4			1	1	2	1	1		1	2		**27 1.8**
Vacuolization Cytoplasmic			2				2				2									2	2	4		2		**12 2.1**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia								1								4										**4 2.5**
Metaplasia, Osseous								3																		**1 3.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parathyroid Gland	+	+	+	+	+	+	M	+	+	+	+	+	+	M	+	+	+	+	I	+	+	+	+	+	+	**47**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																										**2 3.0**
Hemorrhage																	2									**2 2.5**
Pars Distalis, Hyperplasia				2			4			2			3			2	3									**7 2.6**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ultimobranchial Cyst																										**1 2.0**
C-cell, Hyperplasia	2	2	2		1	1		2	3	2	2	2		3	1	2		2	2	3	2	4	2	2		**39 2.2**

GENERAL BODY SYSTEM

NONE

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DAY ON TEST	0730	0731	0701	0639	0438	0660	0732	0732	0732	0731	0732	0732	0633	0731	0647	0730	0732	0493	0732	0732	0730	0730	0732	0730	0687	
FISCHER 344 RATS FEMALE ANIMAL ID	0012	0012	0012	0012	0013	0013	0013	0013	0013	0013	0013	0013	0013	0013	0014	0014	0014	0014	0014	0014	0014	0014	0014	0014	0015	
CONTROL	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	*** TOTALS**
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	**49**
Hyperplasia		3						2																		**3 3.0**
Inflammation, Chronic Active	2		1				1			2		1				2			1	2		2	2			**22 1.5**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst										4																**3 3.3**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Vagina																		+								**3**
Muscularis, Hypertrophy																										**2 3.0**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia, Histiocytic			4																							**1 4.0**
Lymph Node	+																									**1**
Inflammation, Chronic Active	3																									**1 3.0**
Lymph Node, Bronchial	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**
Angiectasis						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**

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DAY ON TEST	0730	0731	0701	0639	0438	0660	0732	0732	0732	0731	0732	0732	0633	0731	0647	0730	0732	0493	0732	0732	0730	0730	0732	0730	0687	
FISCHER 344 RATS FEMALE ANIMAL ID	0012	0012	0012	0012	0013	0013	0013	0013	0013	0013	0013	0013	0013	0013	0014	0014	0014	0014	0014	0014	0014	0014	0014	0014	0015	
CONTROL	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	*** TOTALS**
Lymph Node, Mediastinal	+	+	M	M	+	M	+	+	+	+	+	+	M	+	+	M	+	+	+	+	M	+	+	+	+	**34**
Lymph Node, Mesenteric	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Hyperplasia, Lymphoid						2																				**1 2.0**
Infiltration Cellular, Histiocyte																										**1 2.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hematopoietic Cell Proliferation	2	1			3			2	1	2	2			1	2		1	3	2	1	2	2		2		**33 1.8**
Hemorrhage, Chronic				3																						**1 3.0**
Infarct, Chronic																										**1 3.0**
Thymus	M	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	M	+	+	+	+	+	+	+	+	**46**
Cyst																										**1 2.0**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Galactocele																						4				**1 4.0**
Hyperplasia			4																							**1 4.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperkeratosis										2																**1 2.0**
Inflammation, Chronic Active										2																**1 2.0**
MUSCULOSKELETAL SYSTEM																										

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FISCHER 344 RATS FEMALE ANIMAL ID	0012	0012	0012	0012	0013	0013	0013	0013	0013	0013	0013	0013	0013	0013	0014	0014	0014	0014	0014	0014	0014	0014	0014	0014	0015	
CONTROL	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**
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
RESPIRATORY SYSTEM																										
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body				X								X					X	X								**8**
Inflammation, Chronic Active	1										1	1		1		1	1	1				1	1			**18 1.1**
Metaplasia, Squamous																		1								**3 1.3**
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage										2							2									**4 2.3**
Inflammation, Chronic Active	3													2								2				**6 2.2**
Alveolar Epithelium, Hyperplasia										2						1	2		1							**11 1.3**
Alveolus, Infiltration Cellular, Histiocyte	2	1	1		1	1	2	1	2	2	1	2		2			2		1		1	1				**30 1.4**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body				X										X							X			X		**6**
Inflammation, Chronic Active				1		1			1		2	2		1	1	1		1		1	2			2	1	**24 1.3**
Epithelium, Accumulation, Hyaline Droplet	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**48 1.1**
Glands, Hyperplasia			2	2							2				2	2										**6 2.0**
Olfactory Epithelium, Hyperplasia																										**1 1.0**
Olfactory Epithelium, Metaplasia, Respiratory																								1		**3 1.7**
Respiratory Epithelium, Hyperplasia																					1			2		**5 1.2**

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CONTROL	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**
Respiratory Epithelium, Metaplasia, Squamous						2																				**1 2.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Lens, Cataract	3											3			3											**4 3.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Zymbal's Gland																										**1**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Cyst						3																				**1 3.0**
Nephropathy, Chronic		2		1		3	1		2	2	3	2	1	2	3	1		1	2			3		2	1	**35 1.7**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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FISCHER 344 RATS FEMALE 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
125 PPM																									**females (cont...)**
ALIMENTARY SYSTEM																									
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis							4									3									
Basophilic Focus	3		3	3	3	3	3	3	3	3			3	3	3	3	3	3	3	3	3	3	3	3	
Clear Cell Focus	2		2	2	3	2		3	2	1		2			2		2	2	2	2	3	2		2	2
Hepatodiaphragmatic Nodule						4			4	4					4				4	4					
Mixed Cell Focus																					3				
Vacuolization Cytoplasmic	2		2	2	2	2	2	2	1	1		1		1	2		2	2	2	1	2	2		2	1
Mesentery	+			+		+		+		+			+	+	+	+	+	+		+				+	+
Necrosis	3			3		3		3		3			3	3	3	3	3	3		3				3	3

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FISCHER 344 RATS FEMALE 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
125 PPM																									**females (cont...)**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Atrophy				1				2		1						2		2							
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ulcer																									
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Erosion																									
Ulcer																									
Tongue	+																								
Hyperplasia, Squamous	2																								
CARDIOVASCULAR SYSTEM																									
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	2		1	2		1	1	2	2	1			1		1	1	1	2	1		2				2
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia	2		1	2	1	2	2	1	2				2	2	1	2	2	2		1		1		2	
Vacuolization Cytoplasmic	3					4		2	2	4						2		2						3	1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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FISCHER 344 RATS FEMALE 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
125 PPM																									**females (cont...)**
Hyperplasia									2																
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia				2				4										3							
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst	4																								
Hemorrhage									3						3					2					
Pars Distalis, Hyperplasia	2	2			1	2			3																
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ultimobranchial Cyst																									
C-cell, Hyperplasia	2		1	2		3	3	2	2	2		2	2	1	2	1		2	1	2	2			2	2
Follicular Cell, Hyperplasia																						2			

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia					2					4													4		
Inflammation, Chronic Active			2			2		2	2	2						1	1	2	1		2	2		2	2
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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125 PPM																									**females (cont...)**
Cyst									4																
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage															3								4		
Hydrometra												3													
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Histiocytic																									
Lymph Node					+																				
Deep Cervical, Ectasia					3																				
Deep Cervical, Hyperplasia, Lymphoid																									
Lymph Node, Bronchial	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, 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, Mediastinal	+	M	+	M	+	+	+	+	M	+	M	+	+	M	+	+	M	M	+	+	+	+	M	M	M
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation	2		2		2	2	1	1					2		1	1	2		2	2	2	2	1	2	2
Infarct, Chronic																									
Inflammation, Granulomatous															4										

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2) Mild 4) Marked

DAY ON TEST	0732	0528	0731	0731	0635	0732	0731	0731	0732	0730	0491	0618	0731	0632	0731	0730	0732	0731	0731	0731	0732	0732	0603	0731	0731
FISCHER 344 RATS FEMALE 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
125 PPM																									**females (cont...)**
Lymphoid Follicle, Atrophy																									
Thymus	+	+	+	+	+	+	+	+	+	M	+	+	+	M	+	+	+	+	+	+	+	+	+	M	+
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperkeratosis																		2							
Hyperplasia, Squamous																		2							
Inflammation, Suppurative, Chronic													4												
Inflammation, Chronic Active																									
Ulcer																									
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis						3																			
Peripheral Nerve								+																	

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DAY ON TEST	07/32	05/28	07/31	07/31	06/35	07/32	07/31	07/31	07/32	07/30	04/91	06/18	07/31	06/32	07/31	07/30	07/32	07/31	07/31	07/31	07/32	07/32	06/03	07/31	07/31
FISCHER 344 RATS FEMALE ANIMAL ID	0003301	0003302	0003303	0003304	0003305	0003306	0003307	0003308	0003309	0003310	0003311	0003312	0003313	0003314	0003315	0003316	0003317	0003318	0003319	0003320	0003321	0003322	0003323	0003324	0003325
125 PPM																									**females (cont...)**
Spinal Cord								+																	
RESPIRATORY SYSTEM																									
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body													X			X					X				
Inflammation, Chronic Active			1	2			1	1	1	1			2			2			1		2	2	1		1
Metaplasia, Squamous																									
Respiratory Epithelium, Hyperplasia																							1		
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage								2					4		2										
Inflammation, Chronic Active						2	2							2								2			
Alveolar Epithelium, Hyperplasia								2							2			2						1	1
Alveolus, Infiltration Cellular, Histiocyte	2			1		2	2	2	2	2	1				2			2	2	2	1	2		1	2
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body				X								X													
Inflammation, Suppurative, Chronic																									
Inflammation, Chronic Active			1	1	1	2	1	2	2	1		2	2		2		1	1	1	1		1	1	2	1
Epithelium, Accumulation, Hyaline Droplet	2		2	2	1	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	1	2	2
Glands, Hyperplasia				2					2	2	2	2	2	2			2	2	2	2		2	2	2	
Olfactory Epithelium, Metaplasia, Respiratory						1																			
Respiratory Epithelium, Hyperplasia						1						1													
Respiratory Epithelium, Metaplasia, Squamous																									
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	0732	0528	0731	0731	0635	0732	0731	0731	0732	0730	0491	0618	0731	0632	0731	0730	0732	0731	0731	0731	0732	0732	0603	0731	0731
FISCHER 344 RATS FEMALE 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
125 PPM																									**females (cont...)**
Inflammation, Chronic Active		1							1																
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lens, Cataract																					3		3		
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Zymbal's Gland																									
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																									
Nephropathy, Chronic	2		2			1	3	1	1	2	1	1		1		1		3		2	2	3	1	3	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	073	073	073	059	071	073	073	073	073	068	073	057	062	071	073	073	065	043	073	070	073	073	073	069	057	
	030	031	031	090	019	031	030	030	031	087	032	075	028	016	030	030	059	033	031	081	032	030	030	097	077	
FISCHER 344 RATS FEMALE	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	
ANIMAL ID	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	*** TOTALS**
125 PPM																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis																										**2 3.5**
Basophilic Focus	3	3	3		3	3	3	3	3	3	3	3	3	3	3	3	3		3	3	3	3	3	3		**43 3.0**
Clear Cell Focus	2	2	1	3	2		2		2	X	2			4	2	2		2	2				2	2		**34 2.1**
Hepatodiaphragmatic Nodule	4																						4	4		**9 4.0**
Mixed Cell Focus																	3									**2 3.0**
Vacuolization Cytoplasmic	2	1	1	3	2	2	1	1	2	3	3		2	2	2	2	2	3	2		2		2	2		**41 1.9**
Mesentery		+			+	+	+	+		+	+	+		+	+					+	+					**26**
Necrosis		3			3	3	3	3		3	3	3		3	3					3	3					**26 3.0**

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DAY ON TEST	0730	0731	0731	0590	0719	0731	0730	0730	0731	0687	0732	0575	0628	0716	0730	0730	0659	0433	0731	0708	0732	0730	0730	0697	0577	
FISCHER 344 RATS FEMALE ANIMAL ID	00326	00327	00328	00329	00330	00331	00332	00333	00334	00335	00336	00337	00338	00339	00340	00341	00342	00343	00344	00345	00346	00347	00348	00349	00350	*** TOTALS**
125 PPM																										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Acinus, Atrophy		2							2			1		1			1		1		2					**12 1.5**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ulcer													2					1		2						**3 1.7**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Erosion																		1								**1 1.0**
Ulcer										1																**1 1.0**
Tongue																										**1**
Hyperplasia, Squamous																										**1 2.0**
CARDIOVASCULAR SYSTEM																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	2	1	1		2	1	1	1			1			1	2	2			2		2	1	2	1		**32 1.4**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia	2	1			2		2	2		1	2								2	2	2	2	2		1	**30 1.7**
Vacuolization Cytoplasmic		1	4						2		2					2				2		1				**16 2.3**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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FISCHER 344 RATS FEMALE ANIMAL ID	00326	00327	00328	00329	00330	00331	00332	00333	00334	00335	00336	00337	00338	00339	00340	00341	00342	00343	00344	00345	00346	00347	00348	00349	00350	
125 PPM																										*** TOTALS**
Hyperplasia	1				2		2	2				1		2		1					2					**9 1.7**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																										**3 3.0**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	**48**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																										**1 4.0**
Hemorrhage																3										**4 2.8**
Pars Distalis, Hyperplasia			2			3		2											4			2		3		**11 2.4**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ultimobranchial Cyst	2																									**1 2.0**
C-cell, Hyperplasia	1		2		3	2	2	1	2	1	3	2		2	2	1				2	2		2	2		**36 1.9**
Follicular Cell, Hyperplasia																										**1 2.0**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia											2			3												**5 3.0**
Inflammation, Chronic Active	2	2	1		2		2	2		2	2					2				2	1		2	2		**26 1.8**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	07 30	07 31	07 31	05 90	07 19	07 31	07 30	07 30	07 31	06 87	07 32	05 75	06 28	07 16	07 30	07 30	06 59	04 33	07 31	07 08	07 32	07 30	07 30	06 97	05 77	
FISCHER 344 RATS FEMALE ANIMAL ID	00 32 6	00 32 7	00 32 8	00 32 9	00 33 0	00 33 1	00 33 2	00 33 3	00 33 4	00 33 5	00 33 6	00 33 7	00 33 8	00 33 9	00 34 0	00 34 1	00 34 2	00 34 3	00 34 4	00 34 5	00 34 6	00 34 7	00 34 8	00 34 9	00 35 0	*** TOTALS**
125 PPM																										
Cyst																										**1 4.0**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage																										**2 3.5**
Hydrometra																										**1 3.0**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia, Histiocytic															4											**1 4.0**
Lymph Node														+										+		**3**
Deep Cervical, Ectasia																										**1 3.0**
Deep Cervical, Hyperplasia, Lymphoid																								3		**1 3.0**
Lymph Node, Bronchial	M	M	M	+	M	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M	M	**4**
Lymph Node, 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, Mediastinal	+	+	+	+	M	+	M	+	M	+	+	+	+	+	M	+	M	M	M	M	+	M	+	+	M	**30**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	**49**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hematopoietic Cell Proliferation		4	1		2	2	2	2	2		4			2	2	1			2				1	3	3		**32 1.9**
Infarct, Chronic																						4				**1 4.0**
Inflammation, Granulomatous	4																									**2 4.0**

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125 PPM																										
Lymphoid Follicle, Atrophy																		2								**1 2.0**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+	+	**45**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperkeratosis								2																		**2 2.0**
Hyperplasia, Squamous																										**1 2.0**
Inflammation, Suppurative, Chronic																										**1 4.0**
Inflammation, Chronic Active								2		3																**2 2.5**
Ulcer								2																		**1 2.0**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis																										**1 3.0**
Peripheral Nerve																										**1**

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FISCHER 344 RATS FEMALE ANIMAL ID	00326	00327	00328	00329	00330	00331	00332	00333	00334	00335	00336	00337	00338	00339	00340	00341	00342	00343	00344	00345	00346	00347	00348	00349	00350	*** TOTALS**
125 PPM																										
Spinal Cord																										**1**
RESPIRATORY SYSTEM																										
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body		X						X						X												**6**
Inflammation, Chronic Active	1	2			2		2	3				1		2	2			1	1	1				2		**25 1.5**
Metaplasia, Squamous								2																1		**2 1.5**
Respiratory Epithelium, Hyperplasia																										**1 1.0**
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage						2	2		2																	**6 2.3**
Inflammation, Chronic Active								2			2			2					2			2		2		**10 2.0**
Alveolar Epithelium, Hyperplasia						2	2		2										1		1					**10 1.6**
Alveolus, Infiltration Cellular, Histiocyte			1			2		2	2	2	2			2			2	1	2		2	2	1	2		**30 1.8**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body								X				X					X			X						**6**
Inflammation, Suppurative, Chronic																				4						**1 4.0**
Inflammation, Chronic Active	1	1	2	1	1		2	3	2	1	1	3					1	1	1		2	2	2	2		**37 1.5**
Epithelium, Accumulation, Hyaline Droplet	2	2	2	1	2	2	1	2	2	2	2	2	2	1	1		1	1	2	2	1	1	2	1	2	**48 1.8**
Glands, Hyperplasia	2	2			2		2		2			2	2							3	2					**23 2.0**
Olfactory Epithelium, Metaplasia, Respiratory												1					2			3						**4 1.8**
Respiratory Epithelium, Hyperplasia			2		1		1	1	1		1	2					1			2	2			1		**13 1.3**
Respiratory Epithelium, Metaplasia, Squamous								2																		**1 2.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	0730	0731	0731	0590	0719	0731	0730	0730	0731	0687	0732	0575	0628	0716	0730	0730	0659	0433	0731	0708	0732	0730	0730	0697	0577	
FISCHER 344 RATS FEMALE ANIMAL ID	00326	00327	00328	00329	00330	00331	00332	00333	00334	00335	00336	00337	00338	00339	00340	00341	00342	00343	00344	00345	00346	00347	00348	00349	00350	
125 PPM																										*** TOTALS**
Inflammation, Chronic Active		1										1														**4 1.0**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Lens, Cataract		3																								**3 3.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Zymbal's Gland																								+		**1**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																			4							**1 4.0**
Nephropathy, Chronic	2				4	2	2	2	3	1	4	1	2	1	2	2	2	3	3		2	3				**35 2.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	073 2	054 7	073 0	073 1	068 1	073 1	054 1	073 1	060 7	073 2	064 2	060 7	073 1	069 4	073 2	073 0	073 0	073 0	062 8	073 1	055 4	068 8	041 7	060 6	073 1
FISCHER 344 RATS FEMALE ANIMAL ID	000 501	000 502	000 503	000 504	000 505	000 506	000 507	000 508	000 509	000 510	000 511	000 512	000 513	000 514	000 515	000 516	000 517	000 518	000 519	000 520	000 521	000 522	000 523	000 524	000 525
250 PPM																									**females (cont...)**
ALIMENTARY SYSTEM																									
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	A	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	A	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	A	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	A	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																						2			
Basophilic Focus	3		3	3	3	3	3	3	3	3			3	3	3	3	3	3		3		3		3	3
Clear Cell Focus	2		2	2	2	2		2	3	3			2	3	3	2	2		3		3	2			
Eosinophilic Focus																									3
Hepatodiaphragmatic Nodule		4												4								4			
Mixed Cell Focus						3			X										3						
Necrosis		2																							
Vacuolization Cytoplasmic	2	1	2	2	1	2		2	3	2		1	2	4	2	2	2	1		2	3	2			2
Mesentery	+	+	+											+					+				+		

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FISCHER 344 RATS FEMALE
250 PPM

females (cont...)

DAY ON TEST	0732	0547	0730	0731	0681	0731	0541	0731	0607	0732	0642	0607	0731	0694	0732	0730	0730	0730	0628	0731	0554	0688	0417	0606	0731
ANIMAL ID	00501	00502	00503	00504	00505	00506	00507	00508	00509	00510	00511	00512	00513	00514	00515	00516	00517	00518	00519	00520	00521	00522	00523	00524	00525
Necrosis	3		3											3					3				3		
Oral Mucosa																									
Foreign Body																									
Hyperplasia, Squamous																									
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Atrophy			1	2													1				1				
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																									
Necrosis																									
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Squamous																									
Ulcer																					2	1			
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ulcer		2																							
Tooth																								+	
Inflammation, Chronic Active																								3	

CARDIOVASCULAR SYSTEM

Blood Vessel									+																

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DAY ON TEST	0732	0547	0730	0731	0681	0731	0541	0731	0607	0732	0642	0607	0731	0694	0732	0730	0730	0730	0628	0731	0554	0688	0417	0606	0731
FISCHER 344 RATS FEMALE ANIMAL ID	0005001	0005002	0005003	0005004	0005005	0005006	0005007	0005008	0005009	0005010	0005011	0005012	0005013	0005014	0005015	0005016	0005017	0005018	0005019	0005020	0005021	0005022	0005023	0005024	0005025
250 PPM																									**females (cont...)**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	1		1	1	1	1		1		1			1	3	1	1	1			1		1			1
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Degeneration, Cystic														4											
Hyperplasia	2			1		1						3			1	2	2	1	1						2
Vacuolization Cytoplasmic	3											4	1		1										
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia						1	1							2											
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1	+	2	+	+	+	+
Hyperplasia																			1		2				
Metaplasia, Hepatocyte													1												
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	M	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																									
Hemorrhage	4						2			2															
Pars Distalis, Hyperplasia				2		4							2					2							
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia	2		2	1	2	2		2		2			2		2	1	2			1		1		1	2
Follicular Cell, Hyperplasia																	2								

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DAY ON TEST	0732	0547	0730	0731	0681	0731	0541	0731	0607	0732	0642	0607	0731	0694	0732	0730	0730	0730	0628	0731	0554	0688	0417	0606	0731
FISCHER 344 RATS FEMALE ANIMAL ID	0050 01	0050 02	0050 03	0050 04	0050 05	0050 06	0050 07	0050 08	0050 09	0051 10	0051 11	0051 12	0051 13	0051 14	0051 15	0051 16	0051 17	0051 18	0051 19	0052 20	0052 21	0052 22	0052 23	0052 24	0052 25
250 PPM																									**females (cont...)**
GENERAL BODY SYSTEM																									
NONE																									
GENITAL SYSTEM																									
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia					4				4		4								4			1			
Inflammation, Chronic Active				2		4				2			2		1		1	1		2					2
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst												3			4										4
Interstitial Cell, Hyperplasia																									
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Congestion																									
Endometrium, Hyperplasia																			2						
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Histiocytic																									
Lymph Node							+																		
Lymph Node, Bronchial	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Angiectasis																									

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FISCHER 344 RATS FEMALE ANIMAL ID	0005001	0005002	0005003	0005004	0005005	0005006	0005007	0005008	0005009	0005010	0005011	0005012	0005013	0005014	0005015	0005016	0005017	0005018	0005019	0005020	0005021	0005022	0005023	0005024	0005025
250 PPM																									**females (cont...)**
Hemorrhage									2																
Lymph Node, Mandibular	M	M	M	+	M	M	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mediastinal	+	M	M	+	+	M	+	+	M	+	M	M	+	M	+	+	+	M	+	+	M	M	+	M	+
Angiectasis																									
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage																									
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation		1	2		3	2				2			2	2		2	2	2		1		1			2
Hemorrhage, Chronic							3																		
Infarct, Chronic																									
Thymus	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Galactocele														4		4									
Inflammation, Chronic Active																									2
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperkeratosis																									
Inflammation, Chronic Active																									
Ulcer																									

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DAY ON TEST	07 32	05 47	07 30	07 31	06 81	07 31	05 41	07 31	06 07	07 32	06 42	06 07	07 31	06 94	07 32	07 30	07 30	07 30	06 28	07 31	05 54	06 88	04 17	06 06	07 31	
FISCHER 344 RATS FEMALE ANIMAL ID	00 501	00 502	00 503	00 504	00 505	00 506	00 507	00 508	00 509	00 510	00 511	00 512	00 513	00 514	00 515	00 516	00 517	00 518	00 519	00 520	00 521	00 522	00 523	00 524	00 525	**females (cont...)**
250 PPM																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Skeletal Muscle																								+		
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																										
RESPIRATORY SYSTEM																										
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body				X																						
Inflammation, Chronic Active		1	1	2	1	1	1	1					1	1	1	2		2				2		1		
Metaplasia, Squamous								1														1				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage	2				4															2						
Inflammation, Chronic Active													1					2							2	
Alveolar Epithelium, Hyperplasia		1	1				4			4				2						1						
Alveolus, Infiltration Cellular, Histiocyte	1		2	1		2	4		1	2				2	1	2		1	1	1					2	
Nose	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body				X									X													

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FISCHER 344 RATS FEMALE ANIMAL ID	0050	0050	0050	0050	0050	0050	0050	0050	0050	0050	0051	0051	0051	0051	0051	0051	0051	0051	0051	0052	0052	0052	0052	0052	0052
250 PPM	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Inflammation, Suppurative, Chronic																									
Inflammation, Chronic Active		1	2	2			1	1		2	1			2	1	1	1	2	1		1	1	1	1	2
Epithelium, Accumulation, Hyaline Droplet	2	2	1	2		1	2	2	2	2	2	2	2	1	1	2	1	2	2	2	2	2	2	2	2
Glands, Hyperplasia		2	2				2			2	2			2	2	2			2				2	2	2
Olfactory Epithelium, Metaplasia, Respiratory							2							1											1
Respiratory Epithelium, Hyperplasia			1	1									2												1
Respiratory Epithelium, Metaplasia, Squamous				1			1																		
Pleura																								+	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active																		1							

SPECIAL SENSES SYSTEM

Ear																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cornea, Inflammation, Chronic Active																						1			
Lens, Cataract																3			3	3					
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active																									
Zymbal's Gland																									

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DAY ON TEST	0732	0547	0730	0731	0681	0731	0541	0731	0607	0732	0642	0607	0731	0694	0732	0730	0730	0730	0628	0731	0554	0688	0417	0606	0731
FISCHER 344 RATS FEMALE ANIMAL ID	00501	00502	00503	00504	00505	00506	00507	00508	00509	00510	00511	00512	00513	00514	00515	00516	00517	00518	00519	00520	00521	00522	00523	00524	00525
250 PPM																									**females (cont...)**
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nephropathy, Chronic	2		1		2	2	1		1	2	1			4		2	2	3							2
Cortex, Infarct																									
Cortex, Renal Tubule, Accumulation, Hyaline Droplet																								4	
Pelvis, Inflammation, Suppurative																							1		
Pelvis, Inflammation, Chronic Active																									
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

DAY ON TEST	071 8	073 2	061 8	073 0	073 1	073 1	045 1	073 2	073 0	073 2	068 4	073 2	073 1	073 1	073 2	073 1	068 4	073 2	073 1	053 4	068 0	068 8	073 2	073 1	073 1	
FISCHER 344 RATS FEMALE ANIMAL ID	000 526	000 527	000 528	000 529	000 530	000 531	000 532	000 533	000 534	000 535	000 536	000 537	000 538	000 539	000 540	000 541	000 542	000 543	000 544	000 545	000 546	000 547	000 548	000 549	000 550	*** TOTALS**
250 PPM																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**47**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**47**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**47**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**47**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis															3											**2 2.5**
Basophilic Focus	3	3		3	3	3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	**42 3.0**
Clear Cell Focus	2	2	2	2	3			2	2	2	3	3	2	2	3			2	2		4	3		3	3	**35 2.4**
Eosinophilic Focus																										**1 3.0**
Hepatodiaphragmatic Nodule															4										4	**5 4.0**
Mixed Cell Focus																										**3 3.0**
Necrosis																										**1 2.0**
Vacuolization Cytoplasmic	3	1	3	2	3			1	2	2	3	3	2	2	2			2	2		3	2		3	2	**39 2.1**
Mesentery	+				+	+		+	+	+	+					+			+		+				+	**17**

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\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	0718	0732	0618	0730	0731	0731	0451	0732	0730	0732	0684	0732	0731	0731	0732	0731	0684	0732	0731	0534	0680	0688	0732	0731	0731
FISCHER 344 RATS FEMALE ANIMAL ID	00526	00527	00528	00529	00530	00531	00532	00533	00534	00535	00536	00537	00538	00539	00540	00541	00542	00543	00544	00545	00546	00547	00548	00549	00550	*** TOTALS**
250 PPM																										
Necrosis	3				3	3		3	3	3	3					3			3		3				3	**16 3.0**
Oral Mucosa										+																**1**
Foreign Body										X																**1**
Hyperplasia, Squamous										3																**1 3.0**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Acinus, Atrophy											2		2								2					**7 1.6**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia													1													**1 1.0**
Necrosis																					4					**1 4.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia, Squamous																2	2									**2 2.0**
Ulcer																3										**3 2.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ulcer																										**1 2.0**
Tooth																										**1**
Inflammation, Chronic Active																										**1 3.0**

CARDIOVASCULAR SYSTEM

Blood Vessel										+																**2**

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

250 PPM

DAY ON TEST	07/18	07/32	06/18	07/30	07/31	07/31	04/51	07/32	07/30	07/32	06/84	07/32	07/31	07/31	07/32	07/31	06/84	07/32	07/31	05/34	06/80	06/88	07/32	07/31	07/31	
ANIMAL ID	00526	00527	00528	00529	00530	00531	00532	00533	00534	00535	00536	00537	00538	00539	00540	00541	00542	00543	00544	00545	00546	00547	00548	00549	00550	* TOTALS
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cardiomyopathy	2			2		2	1	2		1	1	2	2	1	2	2	2	1	1		2		2	1	1	34 1.4
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Degeneration, Cystic																										1 4.0
Hyperplasia	2	4		1		2		1	1	2					2	2	2	2	2					2	3	24 1.8
Vacuolization Cytoplasmic		2	1			2				1	1	2		4	3		2	2				3			2	16 2.1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia					2	2		1											1							7 1.4
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia					2																			3		4 2.0
Metaplasia, Hepatocyte			1																							2 1.0
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	47
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cyst																					3	3				2 3.0
Hemorrhage			3															3								5 2.8
Pars Distalis, Hyperplasia			2		4																2					7 2.6
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
C-cell, Hyperplasia	3	2	1	2	2	2	1	2	2		2		2	2	2	2	4	2	1	1	2	2	2	2		37 1.8
Follicular Cell, Hyperplasia																					2					2 2.0

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DAY ON TEST	0718	0732	0618	0730	0731	0731	0451	0732	0730	0732	0684	0732	0731	0731	0732	0731	0684	0732	0731	0534	0680	0688	0732	0731	0731	
FISCHER 344 RATS FEMALE ANIMAL ID	00526	00527	00528	00529	00530	00531	00532	00533	00534	00535	00536	00537	00538	00539	00540	00541	00542	00543	00544	00545	00546	00547	00548	00549	00550	
250 PPM																										
GENERAL BODY SYSTEM																										
NONE																										
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Hyperplasia						2		2										2						2		**9 2.8**
Inflammation, Chronic Active	4	1		2	1	1		2	2	2		2	2		2	2	2		2		2	2	1			**26 1.9**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst	4				4			4														4				**7 3.9**
Interstitial Cell, Hyperplasia					4																					**1 4.0**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Congestion																									2	**1 2.0**
Endometrium, Hyperplasia																										**1 2.0**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia, Histiocytic											4															**1 4.0**
Lymph Node						+																				**2**
Lymph Node, Bronchial	M	M	M	M	M	M	M	M	+	M	+	M	M	M	M	M	+	M	M	M	M	M	+	M	M	**5**
Angiectasis									3		3															**2 3.0**

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FISCHER 344 RATS FEMALE ANIMAL ID	00526	00527	00528	00529	00530	00531	00532	00533	00534	00535	00536	00537	00538	00539	00540	00541	00542	00543	00544	00545	00546	00547	00548	00549	00550	*** TOTALS**
250 PPM																										
Hemorrhage																										**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	**2**
Lymph Node, Mediastinal	+	+	M	M	+	+	+	+	M	+	M	+	+	+	M	+	M	+	+	+	M	+	M	+	+	**31**
Angiectasis							4			3																**2 3.5**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage						4																				**1 4.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hematopoietic Cell Proliferation	2	2		2	1			2	2	1	2	2	1	2	2			2	2					2	2	**29 1.8**
Hemorrhage, Chronic																										**1 3.0**
Infarct, Chronic																	3									**1 3.0**
Thymus	+	+	M	+	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	+	+	+	+	+	+	**45**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Galactocele																								4		**3 4.0**
Inflammation, Chronic Active																										**1 2.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperkeratosis																	3						2			**2 2.5**
Inflammation, Chronic Active																							2			**1 2.0**
Ulcer																							2			**1 2.0**

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FISCHER 344 RATS FEMALE ANIMAL ID	00526	00527	00528	00529	00530	00531	00532	00533	00534	00535	00536	00537	00538	00539	00540	00541	00542	00543	00544	00545	00546	00547	00548	00549	00550	*** TOTALS**
250 PPM																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Skeletal Muscle																										**1**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage																								2		**1 2.0**
RESPIRATORY SYSTEM																										
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body								X															X			**3**
Inflammation, Chronic Active		1		2	1	1		3		1			1	1		1		1	2		1	1	2	2	2	**30 1.4**
Metaplasia, Squamous								2								2						1			1	**6 1.3**
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage				2																						**4 2.5**
Inflammation, Chronic Active	1				1			2		2	2					1			2		2				2	**12 1.7**
Alveolar Epithelium, Hyperplasia		1	1	1	4	2				1	1					1	3					2				**16 1.9**
Alveolus, Infiltration Cellular, Histiocyte				2	2	2		2		2	2	1				2	3	2	2		2	2		2	2	**29 1.8**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Foreign Body	X								X			X				X										**6**

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DAY ON TEST	07 18	07 32	06 18	07 30	07 31	07 31	04 51	07 32	07 30	07 32	06 84	07 32	07 31	07 31	07 32	07 31	06 84	07 32	07 31	05 34	06 80	06 88	07 32	07 31	07 31	
FISCHER 344 RATS FEMALE ANIMAL ID	00 05 26	00 05 27	00 05 28	00 05 29	00 05 30	00 05 31	00 05 32	00 05 33	00 05 34	00 05 35	00 05 36	00 05 37	00 05 38	00 05 39	00 05 40	00 05 41	00 05 42	00 05 43	00 05 44	00 05 44	00 05 45	00 05 46	00 05 47	00 05 48	00 05 49	00 05 50	*** TOTALS**
250 PPM																										
Inflammation, Suppurative, Chronic	4								4			4														**3 4.0**
Inflammation, Chronic Active			1	2		1	1	2		1	2			1	2	2	1	2	2	1	2	2	2	2	1	**37 1.5**
Epithelium, Accumulation, Hyaline Droplet	2	2	1	2	1	1		2	1	1	2	2	2	2	2	2	2	2	1	2	2	1	2	1	2	**48 1.7**
Glands, Hyperplasia	2		2	2				2			2	3		2		2	2	2	2	2	2	2		2	2	**28 2.0**
Olfactory Epithelium, Metaplasia, Respiratory	3											3									1					**6 1.8**
Respiratory Epithelium, Hyperplasia	3								2		1	2				2										**9 1.7**
Respiratory Epithelium, Metaplasia, Squamous											1	1				1										**5 1.0**
Pleura																										**1**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active																										**1 1.0**

SPECIAL SENSES SYSTEM

Ear										+																**1**
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cornea, Inflammation, Chronic Active																										**1 1.0**
Lens, Cataract										3														3		**5 3.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active									2																	**1 2.0**
Zymbal's Gland							+					+														**2**

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FISCHER 344 RATS FEMALE

250 PPM

DAY ON TEST	0718	0732	0618	0730	0731	0731	0451	0732	0730	0732	0684	0732	0731	0731	0732	0731	0684	0732	0731	0534	0680	0688	0732	0731	0731	
ANIMAL ID	00526	00527	00528	00529	00530	00531	00532	00533	00534	00535	00536	00537	00538	00539	00540	00541	00542	00543	00544	00545	00546	00547	00548	00549	00550	*** TOTALS**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Nephropathy, Chronic	2	2	1	2	2			2	2	2		3	1	2	1	1	2	2			2			1	3	**31 1.9**
Cortex, Infarct																							2			**1 2.0**
Cortex, Renal Tubule, Accumulation, Hyaline Droplet																										**1 4.0**
Pelvis, Inflammation, Suppurative																										**1 1.0**
Pelvis, Inflammation, Chronic Active																								1		**1 1.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	0731	0731	0731	0731	0682	0501	0586	0731	0386	0732	0730	0731	0732	0731	0731	0660	0038	0732	0529	0627	0626	0732	0731	0578	0431
FISCHER 344 RATS FEMALE ANIMAL ID	00701	00702	00703	00704	00705	00706	00707	00708	00709	00710	00711	00712	00713	00714	00715	00716	00717	00718	00719	00720	00721	00722	00723	00724	00725
500 PPM																									**females (cont...)**
ALIMENTARY SYSTEM																									
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Suppurative																									
Necrosis																									
Intestine Small, Duodenum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																									
Basophilic Focus	3	3	3		3	3	3	3		3	3	3		3	3	3		3	3	3		3	3		
Clear Cell Focus	2		2	2	3	2	2		2	3	3	3	3	2	2	3		3		2	2	2			
Degeneration, Cystic											2														
Hepatodiaphragmatic Nodule		4	4																						
Mixed Cell Focus																				2	2				
Vacuolization Cytoplasmic	2	3	2	3	3	2	3	1	3	3	4	3	3	3	2	3		3	2	2	2	2	2	1	1
Bile Duct, Cyst																									

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\+ .. Tissue examined microscopically
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FISCHER 344 RATS FEMALE

500 PPM

females (cont...)

DAY ON TEST	0731	0731	0731	0731	0682	0501	0586	0731	0386	0732	0730	0731	0732	0731	0731	0660	0038	0732	0529	0627	0626	0732	0731	0578	0431
ANIMAL ID	00701	00702	00703	00704	00705	00706	00707	00708	00709	00710	00711	00712	00713	00714	00715	00716	00717	00718	00719	00720	00721	00722	00723	00724	00725
Mesentery			+	+			+			+			+	+		+		+					+	+	
Necrosis			3	3			3			3			3	3		3		3					3		
Oral Mucosa													+												
Foreign Body													X												
Hyperplasia, Squamous													2												
Inflammation, Chronic Active													2												
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Atrophy								3		2									2						
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active																									
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Basal Cell																		2							
Hyperplasia, Squamous									2																
Ulcer									3												1				
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ulcer																									
Tongue																									

CARDIOVASCULAR SYSTEM

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FISCHER 344 RATS FEMALE
500 PPM
females (cont...)

DAY ON TEST	07311	07311	07311	07311	06822	05011	05586	07311	03886	07322	07300	07311	07322	07311	07311	06600	00388	07322	05299	06227	06266	07322	07311	05788	04311
ANIMAL ID	00701	00702	00703	00704	00705	00706	00707	00708	00709	00710	00711	00712	00713	00714	00715	00716	00717	00718	00719	00720	00721	00722	00723	00724	00725
Blood Vessel																									
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	2	2	1					1			1	1	1	2	1							1	1		
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia	4	4	4		1		1	2		1	3	2	2	2		1				1		1	1		
Necrosis																								2	
Vacuolization Cytoplasmic				2							2							2				2	1	2	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia		2										1						2							
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia		2								2													2		
Metaplasia, Hepatocyte					1																				
Parathyroid Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	M
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst						1														2					
Hemorrhage				3			4												1						
Pars Distalis, Hyperplasia				2											1							2			
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia	1	2	2	1	2		1		1		1	1	2			2		2	1	2		2	2	1	1

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DAY ON TEST	073	073	073	073	068	050	058	073	038	073	073	073	073	073	073	066	003	073	052	062	062	073	073	057	043
FISCHER 344 RATS FEMALE ANIMAL ID	00701	00702	00703	00704	00705	00706	00707	00708	00709	00710	00711	00712	00713	00714	00715	00716	00717	00718	00719	00720	00721	00722	00723	00724	00725
500 PPM																									**females (cont...)**
GENERAL BODY SYSTEM																									
NONE																									
GENITAL SYSTEM																									
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																			4						
Inflammation, Chronic Active			3								3		1	1	2			3				1	2		
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst	4									4				4											
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																									
Decidual Reaction						4								3											
Hemorrhage											4														
Inflammation, Chronic Active																									
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Histiocytic																4									
Lymph Node					+													+							
Pancreatic, Hemorrhage																		3							

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DAY ON TEST	073 1	073 1	073 1	073 1	068 2	050 1	058 6	073 1	038 6	073 2	073 0	073 1	073 2	073 1	073 1	066 0	003 8	073 2	052 9	062 7	062 6	073 2	073 1	057 8	043 1
FISCHER 344 RATS FEMALE ANIMAL ID	00070 1	00070 2	00070 3	00070 4	00070 5	00070 6	00070 7	00070 8	00070 9	00071 0	00071 1	00071 2	00071 3	00071 4	00071 5	00071 6	00071 7	00071 8	00071 9	00072 0	00072 1	00072 2	00072 3	00072 4	00072 5
500 PPM																									**females (cont...)**
Lymph Node, Bronchial	M	+	M	M	+	+	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M
Angiectasis																									
Hemorrhage						2																			
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mediastinal	M	+	+	+	M	M	M	+	M	+	+	M	+	M	M	M	+	+	M	+	M	+	+	+	M
Angiectasis								3																	
Hemorrhage																	2								
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Histiocyte																									
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation				2				2		2	2	2	2	2		2		1						2	
Hemorrhage, Chronic		4			3																				
Infarct, Chronic																									
Thymus	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	M	+	M	+	+	+	M	+	+	+
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Galactocele																3									
Inflammation, Chronic Active																									

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DAY ON TEST	073 1	073 1	073 1	073 1	068 2	050 1	058 6	073 1	038 6	073 2	073 0	073 1	073 2	073 1	073 1	066 0	003 8	073 2	052 9	062 7	062 6	073 2	073 1	057 8	043 1
FISCHER 344 RATS FEMALE ANIMAL ID	000 701	000 702	000 703	000 704	000 705	000 706	000 707	000 708	000 709	000 710	000 711	000 712	000 713	000 714	000 715	000 716	000 717	000 718	000 719	000 720	000 721	000 722	000 723	000 724	000 725
500 PPM																									**females (cont...)**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Suppurative, Chronic												4													
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fracture																									
Inflammation, Suppurative, Chronic												4													
Skeletal Muscle									+																
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Peripheral Nerve									+																
Spinal Cord									+																
Cyst Epithelial Inclusion																									
RESPIRATORY SYSTEM																									
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body	X																						X		
Inflammation, Suppurative, Chronic		4																						4	
Inflammation, Chronic Active	3		2	1	2	1	2	1	1		3		2		1	1		2	1	2	2		1		1

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FISCHER 344 RATS FEMALE
500 PPM

females (cont...)

DAY ON TEST	0731	0731	0731	0731	0682	0501	0586	0731	0386	0732	0730	0731	0732	0731	0731	0660	0038	0732	0529	0627	0626	0732	0731	0578	0431
ANIMAL ID	00701	00702	00703	00704	00705	00706	00707	00708	00709	00710	00711	00712	00713	00714	00715	00716	00717	00718	00719	00720	00721	00722	00723	00724	00725
Metaplasia, Squamous	2	2		1	2		2				2					1		2	1	2	2			2	1
Necrosis					1																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage					2						1														
Inflammation, Suppurative, Chronic																			4		4				4
Inflammation, Chronic Active																									
Alveolar Epithelium, Hyperplasia					1																				
Alveolus, Infiltration Cellular, Histiocyte	2			1						1	1		2	1	1	1				2		1	1		
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body		X		X				X	X									X							
Inflammation, Suppurative, Chronic		4		4					4									4							
Inflammation, Chronic Active	1				1	2	1	1		1	2	1	2	1		1				1	1			1	1
Epithelium, Accumulation, Hyaline Droplet	2		2	2	2	1	2	1	1	2	2	2	3	2	1	1		1	2	2	2	2	2	2	2
Glands, Hyperplasia	2	2		2	2		2				3	2	2	2		2			2	2				2	2
Olfactory Epithelium, Metaplasia, Respiratory		3									3	1													
Respiratory Epithelium, Hyperplasia		2		2					1		1	1						2	1			1		1	
Respiratory Epithelium, Metaplasia, Squamous																									
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active		2																	1		2				1
Epithelium, Hyperplasia		2																	1						
Epithelium, Metaplasia, Squamous																					2				
Epithelium, Necrosis																									

SPECIAL SENSES SYSTEM

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DAY ON TEST	073 1	073 1	073 1	073 1	068 2	050 1	058 6	073 1	038 6	073 2	073 0	073 1	073 2	073 1	073 1	066 0	003 8	073 2	052 9	062 7	062 6	073 2	073 1	057 8	043 1
FISCHER 344 RATS FEMALE ANIMAL ID	00701	00702	00703	00704	00705	00706	00707	00708	00709	00710	00711	00712	00713	00714	00715	00716	00717	00718	00719	00720	00721	00722	00723	00724	00725
500 PPM																									**females (cont...)**
Ear									+																
Inflammation, Suppurative, Chronic									4																
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lens, Cataract			3	3																					
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Suppurative, Chronic								4																	
Inflammation, Chronic Active																									
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nephropathy, Chronic	2	3	2		1			2			3	2	2	1		1		2				1	2		
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	061	073	073	045	014	073	073	073	068	045	061	073	060	068	071	059	049	072	073	071	073	058	073	061	073	
	1	1	0	3	2	2	2	0	6	0	9	0	6	8	9	0	8	4	1	5	1	6	2	6	1	
FISCHER 344 RATS FEMALE ANIMAL ID	00772	00772	00772	00772	00773	00773	00773	00773	00773	00773	00773	00773	00773	00773	00774	00774	00774	00774	00774	00774	00774	00774	00774	00774	00775	
500 PPM	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	*** TOTALS**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Inflammation, Suppurative											1															**1 1.0**
Necrosis											1															**1 1.0**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis			3																							**1 3.0**
Basophilic Focus	3	3	3	3		3	3	3	3		3	3	3	3	3	3		3	3	3		3	3	3	3	**39 3.0**
Clear Cell Focus		2	2			3	3	3		3	2	2			3	3		3	2	2		X	3	3	3	**35 2.5**
Degeneration, Cystic																										**1 2.0**
Hepatodiaphragmatic Nodule	4					4				4																**5 4.0**
Mixed Cell Focus			3																							**3 2.3**
Vacuolization Cytoplasmic	1	3	2	1		3	3	3	2	3	3	2	2		3	3	2	3	3	3	2	3	3	3	3	**47 2.5**
Bile Duct, Cyst							3																			**1 3.0**

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DAY ON TEST	061	073	073	045	014	073	073	073	068	045	061	073	060	068	071	059	049	072	073	071	073	058	073	061	073	
	1	1	0	3	2	2	2	0	6	0	9	0	6	8	9	0	8	4	1	5	1	6	2	6	1	
FISCHER 344 RATS FEMALE ANIMAL ID	00726	00727	00728	00729	00730	00731	00732	00733	00734	00735	00736	00737	00738	00739	00740	00741	00742	00743	00744	00745	00746	00747	00748	00749	00750	*** TOTALS**
500 PPM																										
Mesentery	+	+		+		+		+				+		+	+	+			+				+	+		**23**
Necrosis	3	3		3		3		3				3		3	3	3			3		3			3	3		**22 3.0**
Oral Mucosa																										**1**
Foreign Body																										**1**
Hyperplasia, Squamous																										**1 2.0**
Inflammation, Chronic Active																										**1 2.0**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Acinus, Atrophy		1				2			1													1				**7 1.7**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active																1										**1 1.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia, Basal Cell																										**1 2.0**
Hyperplasia, Squamous	2																									**2 2.0**
Ulcer										1	2				2					2						**6 1.8**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ulcer											2															**1 2.0**
Tongue															+											**1**

CARDIOVASCULAR SYSTEM

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DAY ON TEST	0611	0731	0730	0453	0142	0732	0732	0730	0686	0450	0619	0730	0606	0688	0719	0590	0498	0724	0731	0715	0731	0586	0732	0616	0731	
FISCHER 344 RATS FEMALE ANIMAL ID	00726	00727	00728	00729	00730	00731	00732	00733	00734	00735	00736	00737	00738	00739	00740	00741	00742	00743	00744	00745	00746	00747	00748	00749	00750	*** TOTALS**
500 PPM																										
Blood Vessel					+															+					**2**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	1	2	3			2		1				1			2				1		2		1			**21 1.4**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia		1	3				2	3		2			1		2			2			1		2		2	**26 2.0**
Necrosis																										**1 2.0**
Vacuolization Cytoplasmic		2	3													1								2	1	**11 1.8**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia	2		1											2												**6 1.7**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																							4			**4 2.5**
Metaplasia, Hepatocyte																										**1 1.0**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	**46**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																										**2 1.5**
Hemorrhage																										**3 2.7**
Pars Distalis, Hyperplasia			4			2							1						2							**7 2.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Hyperplasia	2	2	1	1		4	2	3	1			2		1	1	1		4	3	2	2		2	2	2	**37 1.8**

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DAY ON TEST	061	073	073	045	014	073	073	073	068	045	061	073	060	068	071	059	049	072	073	071	073	058	073	061	073
FISCHER 344 RATS FEMALE ANIMAL ID	00726	00727	00728	00729	00730	00731	00732	00733	00734	00735	00736	00737	00738	00739	00740	00741	00742	00743	00744	00745	00746	00747	00748	00749	00750
500 PPM																									
GENERAL BODY SYSTEM																									
NONE																									
GENITAL SYSTEM																									
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	**49**
Hyperplasia							4												4				4		**4 4.0**
Inflammation, Chronic Active		2			1	2	3	2				2		3					2		2		3		**18 2.1**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																									**3 4.0**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																		3							**1 3.0**
Decidual Reaction																									**2 3.5**
Hemorrhage																									**1 4.0**
Inflammation, Chronic Active				2																					**1 2.0**
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia, Histiocytic																									**1 4.0**
Lymph Node																									**2**
Pancreatic, Hemorrhage																									**1 3.0**

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

DAY ON TEST	0611	0731	0730	0453	0142	0732	0732	0730	0686	0450	0619	0730	0606	0688	0719	0590	0498	0724	0731	0715	0731	0586	0732	0616	0731	
FISCHER 344 RATS FEMALE ANIMAL ID	00726	00727	00728	00729	00730	00731	00732	00733	00734	00735	00736	00737	00738	00739	00740	00741	00742	00743	00744	00745	00746	00747	00748	00749	00750	*** TOTALS**
500 PPM																										
Lymph Node, Bronchial	M	M	M	M	M	M	M	M	M	M	+	M	M	+	M	M	M	M	M	M	M	M	M	+	M	**7**
Angiectasis																								3		**1 3.0**
Hemorrhage																										**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, Mediastinal	+	+	+	+	+	+	M	+	+	+	M	M	M	+	+	M	+	+	M	M	M	+	M	+	M	**28**
Angiectasis			3																							**2 3.0**
Hemorrhage						3																				**2 2.5**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infiltration Cellular, Histiocyte																		2								**1 2.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hematopoietic Cell Proliferation		2				2	1	2	1			2						1	2			1	2		1	**21 1.7**
Hemorrhage, Chronic																										**2 3.5**
Infarct, Chronic														3												**1 3.0**
Thymus	+	+	M	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	**43**

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Galactocele																										**1 3.0**
Inflammation, Chronic Active									3																	**1 3.0**

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FISCHER 344 RATS FEMALE

500 PPM

DAY ON TEST	0611	0731	0730	0453	0142	0732	0732	0730	0686	0450	0619	0730	0606	0688	0719	0590	0498	0724	0731	0715	0731	0586	0732	0616	0731		
ANIMAL ID	0726	0727	0728	0729	0730	0731	0732	0733	0734	0735	0736	0737	0738	0739	0740	0741	0742	0743	0744	0745	0746	0747	0748	0749	0750	*** TOTALS**	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation, Suppurative, Chronic																											**1 4.0**
MUSCULOSKELETAL SYSTEM																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Fracture				4																							**1 4.0**
Inflammation, Suppurative, Chronic																											**1 4.0**
Skeletal Muscle	+			+	+																					**4**	
NERVOUS SYSTEM																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Peripheral Nerve				+	+																					**3**	
Spinal Cord				+	+																					**3**	
Cyst Epithelial Inclusion					3																						**1 3.0**
RESPIRATORY SYSTEM																											
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Foreign Body															X		X										**4**
Inflammation, Suppurative, Chronic															4												**3 4.0**
Inflammation, Chronic Active	1	2					1	1	1			2				1	1		1	1	2	1		2	2		**32 1.5**

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FISCHER 344 RATS FEMALE

500 PPM

DAY ON TEST	0611	0731	0730	0453	0142	0732	0732	0730	0686	0450	0619	0730	0606	0688	0719	0590	0498	0724	0731	0715	0731	0586	0732	0616	0731	
ANIMAL ID	0007261	0007272	0007283	0007294	0007305	0007313	0007323	0007333	0007343	0007355	0007366	0007377	0007388	0007399	0007400	0007411	0007422	0007433	0007444	0007455	0007466	0007477	0007488	0007499	0007505	* TOTALS
Metaplasia, Squamous		2							1		2	2			2						2	2		1		**21 1.7**
Necrosis																										**1 1.0**
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage								2													3					**4 2.0**
Inflammation, Suppurative, Chronic																						4				**4 4.0**
Inflammation, Chronic Active						2																			2	**2 2.0**
Alveolar Epithelium, Hyperplasia			1				2	2						1							1		2		2	**8 1.5**
Alveolus, Infiltration Cellular, Histiocyte		2	1			2	2	2	1			2		1	2	1			2	1	2			1	2	**26 1.5**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body					X	X											X					X				**9**
Inflammation, Suppurative, Chronic						4											4					4				**7 4.0**
Inflammation, Chronic Active	1	1	1	1	2		2	2	2	2	2	2	1	2		1		1	1	1	1		2	1	1	**36 1.3**
Epithelium, Accumulation, Hyaline Droplet	2	2	2	2		2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	**47 1.9**
Glands, Hyperplasia	2					2	2	2	2	2	2	2		2	2	2	2	2		2		2		2		**30 2.0**
Olfactory Epithelium, Metaplasia, Respiratory					2	3		1									3					2	2			**9 2.2**
Respiratory Epithelium, Hyperplasia					1	2	1	2			1						2	2				3	1			**18 1.5**
Respiratory Epithelium, Metaplasia, Squamous											2															**1 2.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active												2										2				**6 1.7**
Epithelium, Hyperplasia												2										2				**4 1.8**
Epithelium, Metaplasia, Squamous																										**1 2.0**
Epithelium, Necrosis																						2				**1 2.0**

SPECIAL SENSES SYSTEM

DAY ON TEST	0611	0731	0730	0453	0142	0732	0732	0730	0686	0450	0619	0730	0606	0688	0719	0590	0498	0724	0731	0715	0731	0586	0732	0616	0731	
FISCHER 344 RATS FEMALE ANIMAL ID	00726	00727	00728	00729	00730	00731	00732	00733	00734	00735	00736	00737	00738	00739	00740	00741	00742	00743	00744	00745	00746	00747	00748	00749	00750	*** TOTALS**
500 PPM																										
Ear																									**1**	
Inflammation, Suppurative, Chronic																										**1 4.0**
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Lens, Cataract																										**2 3.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation, Suppurative, Chronic																										**1 4.0**
Inflammation, Chronic Active											2															**1 2.0**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Nephropathy, Chronic	1	3				2		2	2	1	3	3			1			1	1	2	1		2	3	2	**29 1.9**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	

*** END OF REPORT ***