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	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...)**
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	

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

DAY ON TEST	063	068	073	073	072	072	072	071	072	059	065	073	072	072	058	058	064	072	066	050	073	065	059	071	073	
FISCHER 344 RATS MALE ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	
CONTROL																										**males (cont...)**
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				

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

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

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

DAY ON TEST	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	000 1	000 2	000 3	000 4	000 5	000 6	000 7	000 8	000 9	001 0	001 1	001 2	001 3	001 4	001 5	001 6	001 7	001 8	001 9	002 0	002 1	002 2	002 3	002 4	002 5	**males (cont...)**
CONTROL																										
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																						

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

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

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

DAY ON TEST	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																									
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

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

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

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

DAY ON TEST	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	000 1	000 2	000 3	000 4	000 5	000 6	000 7	000 8	000 9	001 0	001 1	001 2	001 3	001 4	001 5	001 6	001 7	001 8	001 9	002 0	002 1	002 2	002 3	002 4	002 5	
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																										

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

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

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

DAY ON TEST	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	000 1	000 2	000 3	000 4	000 5	000 6	000 7	000 8	000 9	001 0	001 1	001 2	001 3	001 4	001 5	001 6	001 7	001 8	001 9	002 0	002 1	002 2	002 3	002 4	002 5	**males (cont...)**
CONTROL																										
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																										

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

DAY ON TEST	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 CONTROL ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	**males (cont...)**
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																										

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

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

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

DAY ON TEST	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 CONTROL ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	**males (cont...)**
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																										

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

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

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

DAY ON TEST	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	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**
CONTROL																										
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**

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

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

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

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	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
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

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

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

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

DAY ON TEST	073	072	069	072	061	070	073	072	053	068	066	065	065	072	073	068	072	066	064	073	072	059	073	042	072	
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	
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**
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**

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

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

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

DAY ON TEST	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	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**
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**

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

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

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

DAY ON TEST	073	072	069	072	061	070	073	072	053	068	066	065	065	072	073	068	072	066	064	073	072	059	073	042	072	
FISCHER 344 RATS MALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**
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**

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

DAY ON TEST	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	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**	
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**

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

DAY ON TEST	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	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**
CONTROL																										
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**

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

DAY ON TEST	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	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**
CONTROL																										
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**

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

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

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

DAY ON TEST	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	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	
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	

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

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

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

DAY ON TEST	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	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002
125 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
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

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

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

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

DAY ON TEST	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	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002
125 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
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																									

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

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

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

DAY ON TEST	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	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002
125 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
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

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

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

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

DAY ON TEST	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	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002
125 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
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												

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

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

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

DAY ON TEST	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	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	
125 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	**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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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

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

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

DAY ON TEST	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	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
125 PPM																									**males (cont...)**
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

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

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

DAY ON TEST	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	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	
125 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	**males (cont...)**
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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

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

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

DAY ON TEST	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	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	
125 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**
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**

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

DAY ON TEST	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	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	
125 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**
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**

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

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

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

DAY ON TEST	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	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	
125 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**
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**

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

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

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

DAY ON TEST	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	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	
125 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**
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**

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

DAY ON TEST	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	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	
125 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**
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**

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

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

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

DAY ON TEST	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	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	
125 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**
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**

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

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

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

DAY ON TEST	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	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	
125 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**
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**

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

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

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

DAY ON TEST	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	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002		
125 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**	
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**	

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

DAY ON TEST	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 1	0040 2	0040 3	0040 4	0040 5	0040 6	0040 7	0040 8	0040 9	0041 0	0041 1	0041 2	0041 3	0041 4	0041 5	0041 6	0041 7	0041 8	0041 9	0042 0	0042 1	0042 2	0042 3	0042 4	0042 5	**males (cont...)**
250 PPM																										
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						

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

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

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

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	0040 1	0040 2	0040 3	0040 4	0040 5	0040 6	0040 7	0040 8	0040 9	0041 0	0041 1	0041 2	0041 3	0041 4	0041 5	0041 6	0041 7	0041 8	0041 9	0042 0	0042 1	0042 2	0042 3	0042 4	0042 5
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																			

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

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

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

DAY ON TEST	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	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	
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	**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	

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

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

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

DAY ON TEST	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 1	0040 2	0040 3	0040 4	0040 5	0040 6	0040 7	0040 8	0040 9	0041 0	0041 1	0041 2	0041 3	0041 4	0041 5	0041 6	0041 7	0041 8	0041 9	0042 0	0042 1	0042 2	0042 3	0042 4	0042 5
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

DAY ON TEST	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 1	0040 2	0040 3	0040 4	0040 5	0040 6	0040 7	0040 8	0040 9	0041 0	0041 1	0041 2	0041 3	0041 4	0041 5	0041 6	0041 7	0041 8	0041 9	0042 0	0042 1	0042 2	0042 3	0042 4	0042 5	**males (cont...)**
250 PPM																										
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																									

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

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

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

DAY ON TEST	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 250 PPM ANIMAL ID	0040 1	0040 2	0040 3	0040 4	0040 5	0040 6	0040 7	0040 8	0040 9	0041 0	0041 1	0041 2	0041 3	0041 4	0041 5	0041 6	0041 7	0041 8	0041 9	0042 0	0042 1	0042 2	0042 3	0042 4	0042 5
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																									

males (cont...)

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

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

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

DAY ON TEST	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 1	0040 2	0040 3	0040 4	0040 5	0040 6	0040 7	0040 8	0040 9	0041 0	0041 1	0041 2	0041 3	0041 4	0041 5	0041 6	0041 7	0041 8	0041 9	0042 0	0042 1	0042 2	0042 3	0042 4	0042 5	**males (cont...)**
250 PPM																										
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	

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

DAY ON TEST	068 2	060 8	051 4	069 8	048 8	073 0	060 3	066 6	053 4	059 0	073 0	041 8	072 9	070 9	072 9	056 1	060 6	073 0	061 2	068 8	055 4	053 4	072 9	072 9	072 9
FISCHER 344 RATS MALE ANIMAL ID	004 01	004 02	004 03	004 04	004 05	004 06	004 07	004 08	004 09	004 10	004 11	004 12	004 13	004 14	004 15	004 16	004 17	004 18	004 19	004 20	004 21	004 22	004 23	004 24	004 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																									

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

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

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

DAY ON TEST	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	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	0040	
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	**males (cont...)**
Urinary Bladder Hemorrhage	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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

DAY ON TEST	072	063	072	072	072	073	053	061	061	072	052	066	057	069	072	069	072	069	072	061	073	072	069	065	057	
FISCHER 344 RATS MALE ANIMAL ID	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	
250 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**
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**

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

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

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

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	004 6	004 7	004 8	004 9	004 0	004 1	004 2	004 3	004 4	004 5	004 6	004 7	004 8	004 9	004 0	004 1	004 2	004 3	004 4	004 5	004 6	004 7	004 8	004 9	004 5 0	* 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**

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

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

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

DAY ON TEST	072	063	072	072	072	073	053	061	061	072	052	066	057	069	072	069	072	069	072	061	073	072	069	065	057	
FISCHER 344 RATS MALE ANIMAL ID	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	004	
250 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**
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**

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

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

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

DAY ON TEST	0729	0633	0725	0729	0729	0730	0536	0614	0618	0729	0520	0668	0575	0697	0729	0699	0729	0690	0729	0618	0730	0729	0690	0658	0578		
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																											
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**	

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

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

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

DAY ON TEST	0729	0633	0725	0729	0729	0730	0536	0614	0618	0729	0520	0668	0575	0697	0729	0699	0729	0690	0729	0618	0730	0729	0690	0658	0578	
FISCHER 344 RATS MALE 250 PPM 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**
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**

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

DAY ON TEST	0729	0633	0725	0729	0729	0730	0536	0614	0618	0729	0520	0668	0575	0697	0729	0699	0729	0690	0729	0618	0730	0729	0690	0658	0578	
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																										
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																										

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

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

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

DAY ON TEST	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	004 2 6	004 2 7	004 2 8	004 2 9	004 3 0	004 3 1	004 3 2	004 3 3	004 3 4	004 3 5	004 3 6	004 3 7	004 3 8	004 3 9	004 4 0	004 4 1	004 4 2	004 4 3	004 4 4	004 4 5	004 4 6	004 4 7	004 4 8	004 4 9	004 5 0	*** 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**

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

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

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

DAY ON TEST	0729	0633	0725	0729	0729	0730	0536	0614	0618	0729	0520	0668	0575	0697	0729	0699	0729	0690	0729	0618	0730	0729	0690	0658	0578	
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**

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

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

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

DAY ON TEST	0729	0633	0725	0729	0729	0730	0536	0614	0618	0729	0520	0668	0575	0697	0729	0699	0729	0690	0729	0618	0730	0729	0690	0658	0578		
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																											
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hemorrhage			3																								**1 3.0**

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

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

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

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	0061	0062	0063	0064	0065	0066	0067	0068	0069	0610	0611	0612	0613	0614	0615	0616	0617	0618	0619	0620	0621	0622	0623	0624	0625	
500 PPM																										**males (cont...)**
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	

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

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

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

DAY ON TEST	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	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006
500 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
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																									

males (cont...)

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

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

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

DAY ON TEST	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	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	
500 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	**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				

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

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

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

DAY ON TEST	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	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	
500 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	**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			

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

DAY ON TEST	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	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006
500 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
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

DAY ON TEST	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	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006
500 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
males (cont...)																									
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	

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

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

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

DAY ON TEST	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	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006
500 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
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	

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

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

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

DAY ON TEST	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	0060 1	0060 2	0060 3	0060 4	0060 5	0060 6	0060 7	0060 8	0060 9	0061 0	0061 1	0061 2	0061 3	0061 4	0061 5	0061 6	0061 7	0061 8	0061 9	0062 0	0062 1	0062 2	0062 3	0062 4	0062 5
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	+						+																		

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

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

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

DAY ON TEST	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	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	
500 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	**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														

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

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

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

DAY ON TEST	061	063	072	072	072	068	067	070	073	066	066	063	044	064	072	063	072	071	057	072	072	044	068	072	066	
FISCHER 344 RATS MALE ANIMAL ID	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	
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**
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**

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

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

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
1-Bromopropane
CAS Number: 106-94-5

FISCHER 344 RATS MALE

500 PPM

DAY ON TEST	061	063	072	072	072	068	067	070	073	066	066	063	044	064	072	063	072	071	057	072	072	044	068	072	066	
ANIMAL ID	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	* TOTALS
	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	
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**

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

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

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

DAY ON TEST	061	063	072	072	072	068	067	070	073	066	066	063	044	064	072	063	072	071	057	072	072	044	068	072	066	
FISCHER 344 RATS MALE ANIMAL ID	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	
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**
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**

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

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

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

DAY ON TEST	061	063	072	072	072	068	067	070	073	066	066	063	044	064	072	063	072	071	057	072	072	044	068	072	066	
FISCHER 344 RATS MALE 500 PPM ANIMAL ID	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	*** TOTALS**
	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	
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**

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

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

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

DAY ON TEST	061	063	072	072	072	068	067	070	073	066	066	063	044	064	072	063	072	071	057	072	072	044	068	072	066	
FISCHER 344 RATS MALE 500 PPM ANIMAL ID	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	*** TOTALS**
	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	
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	**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**

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

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

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

DAY ON TEST	061	063	072	072	072	068	067	070	073	066	066	063	044	064	072	063	072	071	057	072	072	044	068	072	063	
FISCHER 344 RATS MALE ANIMAL ID	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	
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**
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**

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

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

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

DAY ON TEST	061	063	072	072	072	068	067	070	073	066	066	063	044	064	072	063	072	071	057	072	072	044	068	072	063	
FISCHER 344 RATS MALE ANIMAL ID	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	
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**

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

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

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

FISCHER 344 RATS MALE

500 PPM

DAY ON TEST	061	063	072	072	072	068	067	070	073	066	066	063	044	064	072	063	072	071	057	072	072	044	068	072	066	
ANIMAL ID	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	* TOTALS
	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	
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**

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

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

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

DAY ON TEST	061	063	072	072	072	068	067	070	073	066	066	063	044	064	072	063	072	071	057	072	072	044	068	072	066	
FISCHER 344 RATS MALE ANIMAL ID	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	006	
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**

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 ***

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

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

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

DAY ON TEST	073	073	073	073	063	073	067	063	069	073	073	073	068	073	073	071	061	073	073	072	073	073	073	073	073	
	2	2	2	1	8	1	7	3	4	2	1	2	3	1	2	6	2	2	1	6	1	2	2	2	0	
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	
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			

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

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

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

DAY ON TEST	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...)**
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										

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

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

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

DAY ON TEST	0732	0732	0732	0731	0638	0731	0667	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...)**
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

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

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

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

DAY ON TEST	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	**females (cont...)**
CONTROL																										
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	

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

DAY ON TEST	0732	0732	0732	0731	0638	0731	0667	0633	0694	0732	0731	0732	0683	0731	0732	0716	0612	0732	0731	0726	0731	0732	0732	0730	0731
FISCHER 344 RATS FEMALE ANIMAL ID	0010	0010	0010	0010	0010	0010	0010	0010	0010	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0012	0012	0012	0012	0012	0012
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
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

females (cont...)

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

DAY ON TEST	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	

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

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

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

DAY ON TEST	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...)**
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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

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

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

DAY ON TEST	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	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	*** TOTALS**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	**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**

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

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

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

DAY ON TEST	073	073	070	063	043	066	073	073	073	073	073	073	063	073	064	073	073	049	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		
CONTROL	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	*** TOTALS**	
Mesentery					+	+		+	+	+										+	+	+				**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**

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

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

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

DAY ON TEST	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 6	0012 7	0012 8	0012 9	0013 0	0013 1	0013 2	0013 3	0013 4	0013 5	0013 6	0013 7	0013 8	0013 9	0014 0	0014 1	0014 2	0014 3	0014 4	0014 5	0014 6	0014 7	0014 8	0014 9	0015 0	*** TOTALS**
CONTROL																										
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																										

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

DAY ON TEST	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	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**	
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**	

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

DAY ON TEST	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	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**
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																										

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

DAY ON TEST	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	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**
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**

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

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

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

DAY ON TEST	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	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**	

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

DAY ON TEST	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	0030	0030	0030	0030	0030	0030	0030	0030	0030	0031	0031	0031	0031	0031	0031	0031	0031	0031	0031	0032	0032	0032	0032	0032	0032	
125 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	**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	

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

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

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

DAY ON TEST	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	0030 1	0030 2	0030 3	0030 4	0030 5	0030 6	0030 7	0030 8	0030 9	0031 0	0031 1	0031 2	0031 3	0031 4	0031 5	0031 6	0031 7	0031 8	0031 9	0032 0	0032 1	0032 2	0032 3	0032 4	0032 5
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

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

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

FISCHER 344 RATS FEMALE

125 PPM

females (cont...)

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
ANIMAL ID	0030 1	0030 2	0030 3	0030 4	0030 5	0030 6	0030 7	0030 8	0030 9	0031 0	0031 1	0031 2	0031 3	0031 4	0031 5	0031 6	0031 7	0031 8	0031 9	0032 0	0032 1	0032 2	0032 3	0032 4	0032 5
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

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

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

DAY ON TEST	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	0030 1	0030 2	0030 3	0030 4	0030 5	0030 6	0030 7	0030 8	0030 9	0031 0	0031 1	0031 2	0031 3	0031 4	0031 5	0031 6	0031 7	0031 8	0031 9	0032 0	0032 1	0032 2	0032 3	0032 4	0032 5	**females (cont...)**
125 PPM																										
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											

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

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

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

DAY ON TEST	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	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0031	0031	0031	0031	0031	0031	0031	0031	0031	0032	0032	0032	0032	0032	0032	
125 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	**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								+																		

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

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

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

DAY ON TEST	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	0030 1	0030 2	0030 3	0030 4	0030 5	0030 6	0030 7	0030 8	0030 9	0031 0	0031 1	0031 2	0031 3	0031 4	0031 5	0031 6	0031 7	0031 8	0031 9	0032 0	0032 1	0032 2	0032 3	0032 4	0032 5	**females (cont...)**
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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

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

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

DAY ON TEST	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	0030	0030	0030	0030	0030	0030	0030	0030	0030	0031	0031	0031	0031	0031	0031	0031	0031	0031	0031	0032	0032	0032	0032	0032	0032	
125 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	**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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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

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

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

DAY ON TEST	073	073	073	059	071	073	073	073	073	068	073	057	062	071	073	073	065	043	073	070	073	073	073	069	057	
FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	
125 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**
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**

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

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

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

DAY ON TEST	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	0032 6	0032 7	0032 8	0032 9	0033 0	0033 1	0033 2	0033 3	0033 4	0033 5	0033 6	0033 7	0033 8	0033 9	0034 0	0034 1	0034 2	0034 3	0034 4	0034 5	0034 6	0034 7	0034 8	0034 9	0035 0	*** TOTALS**
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**

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

DAY ON TEST	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	0032 6	0032 7	0032 8	0032 9	0033 0	0033 1	0033 2	0033 3	0033 4	0033 5	0033 6	0033 7	0033 8	0033 9	0034 0	0034 1	0034 2	0034 3	0034 4	0034 5	0034 6	0034 7	0034 8	0034 9	0035 0	*** TOTALS**
125 PPM																										
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**

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

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

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

DAY ON TEST	073	073	073	059	071	073	073	073	073	068	073	057	062	071	073	073	065	043	073	070	073	073	073	069	057	
FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	
125 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**
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**

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

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

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

DAY ON TEST	073	073	073	059	071	073	073	073	073	068	073	057	062	071	073	073	065	043	073	070	073	073	073	069	057		
FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003		
125 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**	
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**	

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

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

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

DAY ON TEST	073	073	073	059	071	073	073	073	073	068	073	057	062	071	073	073	065	043	073	070	073	073	073	069	057	
FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	
125 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**
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**

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

DAY ON TEST	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	0032 6	0032 7	0032 8	0032 9	0033 0	0033 1	0033 2	0033 3	0033 4	0033 5	0033 6	0033 7	0033 8	0033 9	0034 0	0034 1	0034 2	0034 3	0034 4	0034 5	0034 6	0034 7	0034 8	0034 9	0035 0		*** TOTALS**
125 PPM																											
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**	

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

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

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

DAY ON TEST	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 1	0050 2	0050 3	0050 4	0050 5	0050 6	0050 7	0050 8	0050 9	0051 0	0051 1	0051 2	0051 3	0051 4	0051 5	0051 6	0051 7	0051 8	0051 9	0052 0	0052 1	0052 2	0052 3	0052 4	0052 5	**females (cont...)**
250 PPM																										

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	+	+	+											+					+				+			

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

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

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

DAY ON TEST	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 1	0050 2	0050 3	0050 4	0050 5	0050 6	0050 7	0050 8	0050 9	0051 0	0051 1	0051 2	0051 3	0051 4	0051 5	0051 6	0051 7	0051 8	0051 9	0052 0	0052 1	0052 2	0052 3	0052 4	0052 5
250 PPM																									**females (cont...)**
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									+																

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 1	0050 2	0050 3	0050 4	0050 5	0050 6	0050 7	0050 8	0050 9	0051 0	0051 1	0051 2	0051 3	0051 4	0051 5	0051 6	0051 7	0051 8	0051 9	0052 0	0052 1	0052 2	0052 3	0052 4	0052 5	**females (cont...)**
250 PPM																										
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
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									

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

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

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

DAY ON TEST	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 1	0050 2	0050 3	0050 4	0050 5	0050 6	0050 7	0050 8	0050 9	0051 0	0051 1	0051 2	0051 3	0051 4	0051 5	0051 6	0051 7	0051 8	0051 9	0052 0	0052 1	0052 2	0052 3	0052 4	0052 5	**females (cont...)**
250 PPM																										
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																										

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

DAY ON TEST	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	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
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																									

females (cont...)

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

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

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

DAY ON TEST	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 1	0050 2	0050 3	0050 4	0050 5	0050 6	0050 7	0050 8	0050 9	0051 0	0051 1	0051 2	0051 3	0051 4	0051 5	0051 6	0051 7	0051 8	0051 9	0052 0	0052 1	0052 2	0052 3	0052 4	0052 5	**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													

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

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

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

DAY ON TEST	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	0050	0050	0050	0050	0050	0050	0050	0050	0051	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
females (cont...)																									
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																									

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

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

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

DAY ON TEST	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 1	0050 2	0050 3	0050 4	0050 5	0050 6	0050 7	0050 8	0050 9	0051 0	0051 1	0051 2	0051 3	0051 4	0051 5	0051 6	0051 7	0051 8	0051 9	0052 0	0052 1	0052 2	0052 3	0052 4	0052 5	**females (cont...)**
250 PPM																										
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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

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

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

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	0056	0057	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	0080	* TOTALS
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**

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

DAY ON TEST	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	0052	0052	0052	0052	0053	0053	0053	0053	0053	0053	0053	0053	0053	0053	0054	0054	0054	0054	0054	0054	0054	0054	0054	0054	0054	
250 PPM	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**
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
\+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	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 250 PPM ANIMAL ID	0052 6	0052 7	0052 8	0052 9	0053 0	0053 1	0053 2	0053 3	0053 4	0053 5	0053 6	0053 7	0053 8	0053 9	0054 0	0054 1	0054 2	0054 3	0054 4	0054 5	0054 6	0054 7	0054 8	0054 9	0055 0	*** 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**

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

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

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

DAY ON TEST	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	0056	0057	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	0080		*** TOTALS**
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**

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

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

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

DAY ON TEST	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	0052 6	0052 7	0052 8	0052 9	0053 0	0053 1	0053 2	0053 3	0053 4	0053 5	0053 6	0053 7	0053 8	0053 9	0054 0	0054 1	0054 2	0054 3	0054 4	0054 5	0054 6	0054 7	0054 8	0054 9	0055 0	*** 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**

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

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

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

DAY ON TEST	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	0056	0057	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	0080	*** 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**

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

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

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

DAY ON TEST	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	0052 6	0052 7	0052 8	0052 9	0053 0	0053 1	0053 2	0053 3	0053 4	0053 5	0053 6	0053 7	0053 8	0053 9	0054 0	0054 1	0054 2	0054 3	0054 4	0054 5	0054 6	0054 7	0054 8	0054 9	0055 0	*** 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**

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

DAY ON TEST	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	0052	0052	0052	0052	0053	0053	0053	0053	0053	0053	0053	0053	0053	0053	0054	0054	0054	0054	0054	0054	0054	0054	0054	0054	0055	
250 PPM	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**
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**

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

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

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

DAY ON TEST	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	0070 1	0070 2	0070 3	0070 4	0070 5	0070 6	0070 7	0070 8	0070 9	0071 0	0071 1	0071 2	0071 3	0071 4	0071 5	0071 6	0071 7	0071 8	0071 9	0072 0	0072 1	0072 2	0072 3	0072 4	0072 5	**females (cont...)**
500 PPM																										
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																										

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

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

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

DAY ON TEST	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	0070 1	0070 2	0070 3	0070 4	0070 5	0070 6	0070 7	0070 8	0070 9	0071 0	0071 1	0071 2	0071 3	0071 4	0071 5	0071 6	0071 7	0071 8	0071 9	0072 0	0072 1	0072 2	0072 3	0072 4	0072 5
500 PPM																									**females (cont...)**
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

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

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

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

DAY ON TEST	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	0070 1	0070 2	0070 3	0070 4	0070 5	0070 6	0070 7	0070 8	0070 9	0071 0	0071 1	0071 2	0071 3	0071 4	0071 5	0071 6	0071 7	0071 8	0071 9	0072 0	0072 1	0072 2	0072 3	0072 4	0072 5	**females (cont...)**
500 PPM																										
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	

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

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

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

DAY ON TEST	073 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	007 01	007 02	007 03	007 04	007 05	007 06	007 07	007 08	007 09	007 10	007 11	007 12	007 13	007 14	007 15	007 16	007 17	007 18	007 19	007 20	007 21	007 22	007 23	007 24	007 25	**females (cont...)**
500 PPM																										
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								

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

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

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

DAY ON TEST	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	0070 1	0070 2	0070 3	0070 4	0070 5	0070 6	0070 7	0070 8	0070 9	0071 0	0071 1	0071 2	0071 3	0071 4	0071 5	0071 6	0071 7	0071 8	0071 9	0072 0	0072 1	0072 2	0072 3	0072 4	0072 5	**females (cont...)**
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	
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																										

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

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

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

DAY ON TEST	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	0070	0070	0070	0070	0070	0070	0070	0070	0070	0071	0071	0071	0071	0071	0071	0071	0071	0071	0071	0072	0072	0072	0072	0072	0072
500 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
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

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

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

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

DAY ON TEST	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	0070	0070	0070	0070	0070	0070	0070	0070	0070	0071	0071	0071	0071	0071	0071	0071	0071	0071	0071	0072	0072	0072	0072	0072	0072
500 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
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																									

females (cont...)

SPECIAL SENSES SYSTEM

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

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

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

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	0070 1	0070 2	0070 3	0070 4	0070 5	0070 6	0070 7	0070 8	0070 9	0071 0	0071 1	0071 2	0071 3	0071 4	0071 5	0071 6	0071 7	0071 8	0071 9	0072 0	0072 1	0072 2	0072 3	0072 4	0072 5	**females (cont...)**
500 PPM																										
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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

DAY ON TEST	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	006	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	
500 PPM	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	*** 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**

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

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

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

DAY ON TEST	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	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	
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**
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

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

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

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

DAY ON TEST	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	006	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	
500 PPM	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	*** TOTALS**
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**

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

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

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

DAY ON TEST	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	006	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	
500 PPM	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	*** TOTALS**

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
x .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	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	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	
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**
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**

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

DAY ON TEST	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	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	
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**
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**

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

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

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

FISCHER 344 RATS FEMALE

500 PPM

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	
ANIMAL ID	0072 6	0072 7	0072 8	0072 9	0073 0	0073 1	0073 2	0073 3	0073 4	0073 5	0073 6	0073 7	0073 8	0073 9	0074 0	0074 1	0074 2	0074 3	0074 4	0074 5	0074 6	0074 7	0074 8	0074 9	0075 0	* 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

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

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

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

DAY ON TEST	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	0072	0072	0072	0072	0073	0073	0073	0073	0073	0073	0073	0073	0073	0073	0074	0074	0074	0074	0074	0074	0074	0074	0074	0074	0075	
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**
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 ***

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

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

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