F1_R2

C Number:	C20005
Lock Date:	09/07/2006
Cage Range:	ALL
Date Range:	ALL
Reasons For Removal:	ALL
Removal Date Range:	ALL
Treatment Groups:	Include ALL
Study Gender:	Both
TDMSE Version:	2.0.0

DAY ON TEST	072	068	068	057	072	072	054	072	072	072	072	072	072	072	072	072	072	072	072	071	072	070	072	039	072			
	899	89	82	0	88	99	22	88	88	77	99	88	77	99	77	88	77	88	77	99	77	11	88	88	88			
FISCHER 344 RATS MALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025			
0 MG/KG																										**males (cont...)**		

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Perforation																												
Muscularis, Degeneration																								2				
Muscularis, Hemorrhage																												
Muscularis, Inflammation																												
Periesophageal Tissue, Foreign Body																												
Periesophageal Tissue, Inflammation																												
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Parasite Metazoan		X		X					X	X						X			X			X		X			
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Inflammation				2																								
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Angiectasis														1														
Basophilic Focus								X				X	X	X	X	X			X	X	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

FISCHER 344 RATS MALE
0 MG/KG
males (cont...)

DAY ON TEST	07/29	06/89	06/82	05/70	07/28	07/29	05/42	07/28	07/28	07/27	07/29	07/28	07/27	07/29	07/27	07/28	07/27	07/28	07/27	07/19	07/27	07/01	07/28	03/98	07/28
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
Clear Cell Focus	X				X			X	X	X	X	X	X	X	X		X	X	X		X		X		X
Degeneration, Cystic																									
Eosinophilic Focus									X						X					X					
Fatty Change, Diffuse			3				2																		
Hematopoietic Cell Proliferation																							1		
Hepatodiaphragmatic Nodule													X								X				
Inflammation	1		1			1		1	1	1	1		1			1	1	1	1	1	1		1	1	1
Mixed Cell Focus										X			X			X									
Necrosis		1		1	1	2																			
Pigmentation, Hemosiderin																									
Bile Duct, Hyperplasia		3	2	4	2	3	1	1	1	2	2	2	3	2	2	2	2	2	2	1	2	2	1		2
Centrilobular, Degeneration						2	3																		
Hepatocyte, Hyperplasia	2																								
Mesentery		+	+				+					+					+			+					
Fat, Necrosis		4	2									1					3			3					
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	1					2			1	1		3	1	1			2	1		1		1			
Inflammation																								1	
Acinus, Hyperplasia			1																						
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body																									
Inflammation			3			2																			
Necrosis			1																						
Epithelium, Hyperplasia			3			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	072 89	068 89	068 82	057 70	072 88	072 89	054 82	072 88	072 88	072 27	072 29	072 88	072 27	072 29	072 27	072 88	072 27	072 88	072 27	071 19	072 27	070 01	072 88	039 88	072 88
FISCHER 344 RATS MALE ANIMAL ID	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00018	00019	00020	00021	00022	00023	00024	00025
0 MG/KG																									**males (cont...)**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Erosion																									
Inflammation			2																						
Necrosis			2				1																		
CARDIOVASCULAR SYSTEM																									
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carotid Artery, Thrombosis																									
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	2	2	1	2	2	4	2	2	2	2	2	3		2	2	2	2	2	2	3	2	1	3	1	2
Fibrosis																						2			
Atrium, Thrombosis		1				4	2																		
Epicardium, Inflammation																									
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Degeneration, Cystic																		1							
Hypertrophy								1																	
Zona Fasciculata, Hyperplasia					1									1			1								
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia	1	3	1			3				1													4		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* .. 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 89	068 89	068 82	057 70	072 88	072 89	054 82	072 88	072 88	072 27	072 29	072 88	072 27	072 29	072 27	072 88	072 27	072 88	072 27	071 19	072 27	070 01	072 88	039 88	072 88
FISCHER 344 RATS MALE ANIMAL ID	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00018	00019	00020	00021	00022	00023	00024	00025
0 MG/KG																									**males (cont...)**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia								2																	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Angiectasis																									
Pars Distalis, Hyperplasia	1	2		1	3	1		2	1	3			3			1					4				
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Angiectasis										2															
C-cell, Hyperplasia								1		3				1		2					2				
Follicular Cell, Hyperplasia																		2							
GENERAL BODY SYSTEM																									
NONE																									
GENITAL SYSTEM																									
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																	2								
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation				4																					
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation	1	3	2		2	3				2	2			1	2			2		2	2			1	
Epithelium, 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	072	068	068	057	072	072	054	072	072	072	072	072	072	072	072	072	072	072	072	071	072	070	072	039	072
	9	9	2	0	8	9	2	8	8	7	9	8	7	9	7	8	7	8	7	9	7	1	8	8	8
FISCHER 344 RATS MALE ANIMAL ID	000	000	000	000	000	000	000	000	000	000	001	001	001	001	001	001	001	001	001	001	002	002	002	002	002
0 MG/KG	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025
males (cont...)																									
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia				4																					
Inflammation																									
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Interstitial Cell, Hyperplasia		2	3	2											1			3							
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia		4		4	2	1		1						1		2	1		2	1	2	3	3		
Myelofibrosis																									
Necrosis																									
Thrombosis			1																						
Lymph Node															+	+				+					
Mediastinal, Ectasia															2										
Mediastinal, Hyperplasia, Lymphoid																									
Mediastinal, Infiltration Cellular, Plasma Cell																				2					
Lymph Node, Mandibular	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mesenteric	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy							3		3			2													
Ectasia																									

* .. 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 89	068 89	068 82	057 70	072 88	072 89	054 82	072 88	072 88	072 27	072 29	072 88	072 27	072 29	072 27	072 88	072 27	072 88	072 27	071 19	072 27	070 01	072 88	039 88	072 88
FISCHER 344 RATS MALE ANIMAL ID	000 001	000 002	000 003	000 004	000 005	000 006	000 007	000 008	000 009	000 010	000 011	000 012	000 013	000 014	000 015	000 016	000 017	000 018	000 019	000 020	000 021	000 022	000 023	000 024	000 025
0 MG/KG																									**males (cont...)**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis																							2		
Hematopoietic Cell Proliferation	1						2	1		1		1	1		1	1	1		1	1	1		3		1
Pigmentation, Hemosiderin	1					1		1	1	1	1	1	1	1	1		1	1	1	1	1			2	
Thrombosis																									
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	3		4	4	3	3	4	3	4	3	4	4	3	3	4	3	3	4	3	3	3	3	3	3	3
Inflammation																									
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ulcer																									
Epidermis, Cyst Epithelial Inclusion	X																								
Epidermis, Hyperplasia																									
Subcutaneous Tissue, Inflammation, Histiocytic																									
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cranium, Osteopetrosis													2												
Femur, Osteopetrosis																									

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

DAY ON TEST	072 89	068 89	068 82	057 70	072 88	072 89	054 82	072 88	072 88	072 27	072 29	072 88	072 27	072 29	072 27	072 88	072 27	072 88	072 27	071 19	072 27	070 01	072 88	039 98	072 88
FISCHER 344 RATS MALE ANIMAL ID	000 001	000 002	000 003	000 004	000 005	000 006	000 007	000 008	000 009	000 010	000 011	000 012	000 013	000 014	000 015	000 016	000 017	000 018	000 019	000 020	000 021	000 022	000 023	000 024	000 025
0 MG/KG																									**males (cont...)**
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
RESPIRATORY SYSTEM																									
Larynx																								+	
Inflammation																								2	
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																					3				
Inflammation, Chronic Active		1																							
Thrombosis																									
Alveolar Epithelium, Hyperplasia	2				2			1			2	1	1				1	2							
Alveolar Epithelium, Metaplasia, Squamous																									
Alveolus, Infiltration Cellular, Histiocyte						1			1		2		1	1			1				2				
Arteriole, Hypertrophy																									
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body	X				X							X													X
Thrombosis																									
Nasolacrimal Duct, Foreign Body														X											
Nasolacrimal Duct, Inflammation																1									
Respiratory Epithelium, Inflammation	3				2							1	2	1		1					1				2
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	0729	0689	0682	0570	0728	0729	0542	0728	0728	0727	0729	0728	0727	0729	0727	0728	0727	0728	0727	0719	0727	0701	0728	0398	0728
FISCHER 344 RATS MALE ANIMAL ID	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00018	00019	00020	00021	00022	00023	00024	00025
0 MG/KG																									**males (cont...)**
Epithelium, Metaplasia, Squamous																									
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cornea, Inflammation																									
Lens, Cataract						3																			
Retina, Degeneration						4														2					
Retina, Fibrosis																									
Retina, Mineralization																									
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accumulation, Hyaline Droplet																									
Mineralization	1						1	1	1		1	1	1	1			1		1		1		1	1	1
Nephropathy	3	2	2	2	2	2		2	2	2	2	2	2	2	2	2	1	3	2	3	1	3	1	1	2
Papilla, Transitional Epithelium, Hyperplasia																									
Renal Tubule, Hyperplasia, Atypical																									
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	065 7	053 3	072 9	072 9	072 7	044 0	055 9	072 8	072 8	072 9	072 8	072 7	055 9	061 7	070 9	072 9	065 2	067 1	072 7	072 7	046 4	065 0	064 6	067 3	072 8		
FISCHER 344 RATS MALE ANIMAL ID	000 026	000 027	000 028	000 029	000 030	000 031	000 032	000 033	000 034	000 035	000 036	000 037	000 038	000 039	000 040	000 041	000 042	000 043	000 044	000 045	000 046	000 047	000 048	000 049	000 050		
0 MG/KG																										*** TOTALS**	
ALIMENTARY SYSTEM																											
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Perforation																							X				**1**
Muscularis, Degeneration																											**1 2.0**
Muscularis, Hemorrhage																							2				**1 2.0**
Muscularis, Inflammation																							2				**1 2.0**
Periesophageal Tissue, Foreign Body																							X				**1**
Periesophageal Tissue, Inflammation																							4				**1 4.0**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Parasite Metazoan																X		X		X			X				**12**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation																											**1 2.0**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Angiectasis																				2							**2 1.5**
Basophilic Focus			X	X				X		X		X			X		X	X	X	X				X			**21**

* .. 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

0 MG/KG

DAY ON TEST	065 7	053 3	072 9	072 9	072 7	044 0	055 9	072 8	072 8	072 9	072 8	072 7	055 9	061 7	070 9	072 9	065 2	067 1	072 7	072 7	046 4	065 0	064 6	067 3	072 8	
ANIMAL ID	00026	00027	00028	00029	00030	00031	00032	00033	00034	00035	00036	00037	00038	00039	00040	00041	00042	00043	00044	00045	00046	00047	00048	00049	00050	*** TOTALS**
Clear Cell Focus			X	X	X			X	X	X	X	X					X		X	X					X	**28**
Degeneration, Cystic			1		1					2	1		1			1		1		1			1			**9 1.1**
Eosinophilic Focus								X			X					X	X	X								**8**
Fatty Change, Diffuse																	1							4		**4 2.5**
Hematopoietic Cell Proliferation																		1								**2 1.0**
Hepatodiaphragmatic Nodule							X																			**3**
Inflammation	1		1	1	1	1		1	1	1	1	1			1		1	1	1	1			1	1	1	**35 1.0**
Mixed Cell Focus			X																							**4**
Necrosis																					2	1				**6 1.3**
Pigmentation, Hemosiderin																		2								**1 2.0**
Bile Duct, Hyperplasia	2	3	1	1	1	1	2	2	2	2	2	2	3	3	2	3	1	2	3	2		3	2	1	2	**47 2.0**
Centrilobular, Degeneration	1																									**3 2.0**
Hepatocyte, Hyperplasia																										**1 2.0**
Mesentery	+	+							+									+		+	+	+				**13**
Fat, Necrosis	3	1							3									3		1		4				**11 2.5**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy				1	1		1	1	1	2	1			2		1		1	1	1					1	**24 1.3**
Inflammation																										**1 1.0**
Acinus, Hyperplasia																										**1 1.0**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body																								X		**1**
Inflammation							1															1		4		**5 2.2**
Necrosis																						2		4		**3 2.3**
Epithelium, Hyperplasia																						1		4		**4 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

DAY ON TEST	065 7	053 3	072 9	072 9	072 7	044 0	055 9	072 8	072 8	072 9	072 8	072 7	055 9	061 7	070 9	072 9	065 2	067 1	072 7	072 7	046 4	065 0	064 6	067 3	072 8	
FISCHER 344 RATS MALE ANIMAL ID	000 026	000 027	000 028	000 029	000 030	000 031	000 032	000 033	000 034	000 035	000 036	000 037	000 038	000 039	000 040	000 041	000 042	000 043	000 044	000 045	000 046	000 047	000 048	000 049	000 050	*** TOTALS**
0 MG/KG																										
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Erosion																								1		**1 1.0**
Inflammation																								1		**2 1.5**
Necrosis																										**2 1.5**
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Carotid Artery, Thrombosis																							2			**1 2.0**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	3	2	3	2	2	2	1	2	2	2	2	2	1	3	2	2	3	2	3	3		1	1	1	3	**48 2.1**
Fibrosis																										**1 2.0**
Atrium, Thrombosis							1						1	3				1				2				**8 1.9**
Epicardium, Inflammation																							2			**1 2.0**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Degeneration, Cystic																										**1 1.0**
Hypertrophy																										**1 1.0**
Zona Fasciculata, Hyperplasia				1							1				1		1			4					1	**9 1.3**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia														1						2					2	**9 2.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**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	065	053	072	072	072	044	055	072	072	072	072	072	055	061	070	072	065	067	072	072	044	065	064	067	072
FISCHER 344 RATS MALE ANIMAL ID	00026	00027	00028	00029	00030	00031	00032	00033	00034	00035	00036	00037	00038	00039	00040	00041	00042	00043	00044	00045	00046	00047	00048	00049	00050	*** TOTALS**
0 MG/KG																										
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																										**1 2.0**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pars Distalis, Angiectasis									2							1										**2 1.5**
Pars Distalis, Hyperplasia																1			2	3	1	3				**16 2.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Angiectasis																										**1 2.0**
C-cell, Hyperplasia			1		1		4		1	2		1				1				1			2			**14 1.6**
Follicular Cell, Hyperplasia																										**1 2.0**
GENERAL BODY SYSTEM																										
NONE																										
GENITAL SYSTEM																										
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation																										**1 2.0**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation																										**1 4.0**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation	1		2			2	1	3			2	1		3	2		1					1		2	2	**26 1.8**
Epithelium, Hyperplasia																				1					4	**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

DAY ON TEST	065	053	072	072	072	044	055	072	072	072	072	072	055	061	070	072	065	067	072	072	044	065	064	067	072	
FISCHER 344 RATS MALE ANIMAL ID	00026	00027	00028	00029	00030	00031	00032	00033	00034	00035	00036	00037	00038	00039	00040	00041	00042	00043	00044	00045	00046	00047	00048	00049	00050	*** TOTALS**
0 MG/KG																										
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																										**1 4.0**
Inflammation														1												**1 1.0**
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Interstitial Cell, Hyperplasia	2	2					3					4								4	3			3	2	**13 2.6**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia		4	1		2		3					1	3	4		3	2	4			2	3				**25 2.4**
Myelofibrosis																				1						**1 1.0**
Necrosis																						2				**1 2.0**
Thrombosis																										**1 1.0**
Lymph Node			+				+						+											+		**7**
Mediastinal, Ectasia																								2		**2 2.0**
Mediastinal, Hyperplasia, Lymphoid			2																							**1 2.0**
Mediastinal, Infiltration Cellular, Plasma Cell																										**1 2.0**
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	**1**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Atrophy																										**3 2.7**
Ectasia														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	065	053	072	072	072	044	055	072	072	072	072	072	055	061	070	072	065	067	072	072	044	065	064	067	072	
FISCHER 344 RATS MALE ANIMAL ID	00026	00027	00028	00029	00030	00031	00032	00033	00034	00035	00036	00037	00038	00039	00040	00041	00042	00043	00044	00045	00046	00047	00048	00049	00050	*** TOTALS**
0 MG/KG																										
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Fibrosis																										**1 2.0**
Hematopoietic Cell Proliferation	1	2	1	1	1			1	1	1	1						1	2			2	2	1		1	**29 1.2**
Pigmentation, Hemosiderin	1		1	1		1		1	1		1	1			1		1			1			1	1	1	**30 1.0**
Thrombosis													3													**1 3.0**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy	3	2	3	4	3	3		4	4	2	4	4	3	3	3	3	3	3	3	3	3	4	4	4	3	**48 3.3**
Inflammation																							2			**1 2.0**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ulcer																2										**1 2.0**
Epidermis, Cyst Epithelial Inclusion																							X			**2**
Epidermis, Hyperplasia															3	2										**2 2.5**
Subcutaneous Tissue, Inflammation, Histiocytic																3										**1 3.0**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cranium, Osteopetrosis																										**1 2.0**
Femur, Osteopetrosis																				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	0657	0533	0729	0729	0727	0440	0559	0728	0728	0729	0728	0727	0559	0617	0709	0729	0652	0671	0727	0727	0464	0650	0646	0673	0728	
FISCHER 344 RATS MALE ANIMAL ID	00026	00027	00028	00029	00030	00031	00032	00033	00034	00035	00036	00037	00038	00039	00040	00041	00042	00043	00044	00045	00046	00047	00048	00049	00050	*** TOTALS**
0 MG/KG																										
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
RESPIRATORY SYSTEM																										
Larynx																										**1**
Inflammation																										**1 2.0**
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation							1						1									3				**4 2.0**
Inflammation, Chronic Active																										**1 1.0**
Thrombosis		1												1								1				**3 1.0**
Alveolar Epithelium, Hyperplasia							1																	3		**10 1.6**
Alveolar Epithelium, Metaplasia, Squamous					2																				1	**2 1.5**
Alveolus, Infiltration Cellular, Histiocyte	1		1													2				1	1	2	1	1		**15 1.3**
Arteriole, Hypertrophy						1																				**1 1.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body			X								X													X		**7**
Thrombosis														2												**1 2.0**
Nasolacrimal Duct, Foreign Body																										**1**
Nasolacrimal Duct, Inflammation																										**1 1.0**
Respiratory Epithelium, Inflammation			2								2							2						3		**12 1.8**
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	065 7	053 3	072 9	072 9	072 7	044 0	055 9	072 8	072 8	072 9	072 8	072 7	055 9	061 7	070 9	072 9	065 2	067 1	072 7	072 7	046 4	065 0	064 6	067 3	072 8	
FISCHER 344 RATS MALE ANIMAL ID	000 026	000 027	000 028	000 029	000 030	000 031	000 032	000 033	000 034	000 035	000 036	000 037	000 038	000 039	000 040	000 041	000 042	000 043	000 044	000 045	000 046	000 047	000 048	000 049	000 050	*** TOTALS**
0 MG/KG																										
Epithelium, Metaplasia, Squamous																							2			**1 2.0**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cornea, Inflammation											2															**1 2.0**
Lens, Cataract																	2									**2 2.5**
Retina, Degeneration											1						3									**4 2.5**
Retina, Fibrosis									1																	**1 1.0**
Retina, Mineralization																	1									**1 1.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accumulation, Hyaline Droplet							1														3					**2 2.0**
Mineralization	1	1			1		1	1				1	1	1	1			1			1		1			**26 1.0**
Nephropathy	3	1	3	1	2		1	2	1	3	3	2	1	2	2	1	1	2	2	2		1	1	3	3	**47 1.9**
Papilla, Transitional Epithelium, Hyperplasia											1															**1 1.0**
Renal Tubule, Hyperplasia, Atypical																						2				**1 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	07 28	07 28	06 45	07 27	07 26	07 28	07 27	07 28	07 27	06 99	07 29	07 28	06 59	07 29	07 27	07 29	07 28	04 35	05 39	05 27	07 27	07 27	07 27	07 28	07 27
FISCHER 344 RATS MALE ANIMAL ID	00 05 1	00 05 2	00 05 3	00 05 4	00 05 5	00 05 6	00 05 7	00 05 8	00 05 9	00 06 0	00 06 1	00 06 2	00 06 3	00 06 4	00 06 5	00 06 6	00 06 7	00 06 8	00 06 9	00 07 0	00 07 1	00 07 2	00 07 3	00 07 4	00 07 5
1250 MG/KG																									**males (cont...)**
ALIMENTARY SYSTEM																									
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parasite Metazoan	X				X							X					X				X	X	X		
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis					2																1		1	1	
Basophilic Focus		X		X		X	X	X		X	X			X	X	X	X					X		X	X
Clear Cell Focus	X	X		X		X	X	X			X	X		X	X	X	X				X		X	X	
Degeneration, Cystic			1										1								1				
Eosinophilic Focus								X								X									
Fatty Change, Diffuse										3								1	2						
Hematopoietic Cell Proliferation																			1						1
Hepatodiaphragmatic Nodule													X		X	X		X	X						
Inflammation	1	1		1		1	1	1		1	1	1		1		1	1	1			1		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

FISCHER 344 RATS MALE
1250 MG/KG

DAY ON TEST	0728	0728	0645	0727	0726	0728	0727	0728	0727	0699	0729	0728	0659	0729	0727	0729	0728	0435	0539	0527	0727	0727	0727	0728	0727
ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073	00074	00075
Mixed Cell Focus																									X
Necrosis					3								2						1						
Pigmentation, Hemosiderin										1															
Bile Duct, Hyperplasia		2	3	2	2	2	2	2	3	2	2	2	4	2	3	3	2	1	2	3	2	2	2	2	2
Centrilobular, Degeneration																			3						
Hepatocyte, Hyperplasia																			2						
Mesentery								+			+			+					+						
Fat, Necrosis								1			1			3											
Oral Mucosa										+															
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	1			2	1	1		1		1				1	1	1	1		1						2
Inflammation																									
Duct, Cyst				2																					
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																		3							
Necrosis																		3							
Epithelium, Hyperplasia																		3							
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																									
Necrosis					2																				

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	072	072	064	072	072	072	072	072	072	069	072	072	065	072	072	072	072	043	053	052	072	072	072	072	072
FISCHER 344 RATS MALE ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073	00074	00075
1250 MG/KG																									**males (cont...)**
CARDIOVASCULAR SYSTEM																									
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	2	2	2	3	2	2	2	2	1	2	3	2	2	2	2	2	2	1	1	1	3	3	2	2	2
Atrium, Thrombosis																				3					
Valve, Thrombosis																			1						
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hypertrophy																									
Necrosis			2																						
Zona Fasciculata, Hyperplasia									1		1	2				1									
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia										1					2									3	
Infiltration Cellular, Lymphocyte																									
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia										1															
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																						1			
Pituitary 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	072	072	064	072	072	072	072	072	072	069	072	072	065	072	072	072	072	043	053	052	072	072	072	072	072
FISCHER 344 RATS MALE ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073	00074	00075
1250 MG/KG																									**males (cont...)**
Pars Distalis, Angiectasis			2						1																
Pars Distalis, Hyperplasia		1		3				1						3		1	3		1	1					2
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia		4	1	4		1											2			1	1	2			
Follicular Cell, Hyperplasia																1									

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis								3																	
Inflammation																									
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation		2				2		1	1	2		1		1		1	2		1		2		2		
Epithelium, Hyperplasia				1	2				1							3									2
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Interstitial Cell, Hyperplasia			4			2												2	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	0728	0728	0645	0727	0726	0728	0727	0728	0727	0699	0729	0728	0659	0729	0727	0729	0728	0435	0539	0527	0727	0727	0727	0728	0727
FISCHER 344 RATS MALE ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073	00074	00075
1250 MG/KG																									**males (cont...)**
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia	1	1	3		4		2	2	3				3		1				3	4		3	1		3
Myelofibrosis																									
Lymph Node		+		+	+					+			+		+					+				
Mediastinal, Hemorrhage																									
Mediastinal, Infiltration Cellular, Histiocyte		2																							
Mediastinal, Infiltration Cellular, Plasma Cell				2						2															
Pancreatic, Atrophy																									
Pancreatic, Ectasia																									
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	4																								2
Ectasia																									
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																									
Fibrosis																									
Hematopoietic Cell Proliferation				1			1	1	2		1			1		1	1		3	2	1	2	1	1	2
Hyperplasia, Histiocytic																						4			
Necrosis																									
Pigmentation, Hemosiderin	1			1		1	1	1		1	1	1		1		1	1	2		1	1	2	1	1	
Lymphoid Follicle, Hyperplasia																									

* .. 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	0728	0728	0645	0727	0726	0728	0727	0728	0727	0699	0729	0728	0659	0729	0727	0729	0728	0435	0539	0527	0727	0727	0727	0728	0727
FISCHER 344 RATS MALE ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073	00074	00075
1250 MG/KG																									**males (cont...)**
Thymus	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M
Atrophy	3	3	3	4	3	3	3	3	3		3	4	3	3	3	4	3	3	4	4	4	4	3	4	
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ulcer																									
Epidermis, Cyst Epithelial Inclusion						X			X																
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Femur, Osteopetrosis																									
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gliosis, Focal								1																	
Necrosis																									
RESPIRATORY 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	072	064	072	072	072	072	072	072	069	072	072	065	072	072	072	072	072	043	053	052	072	072	072	072	072
FISCHER 344 RATS MALE ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073	00074	00075	**males (cont...)**
1250 MG/KG																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrosis																										
Hemorrhage																				2						
Inflammation			3										3							1						
Alveolar Epithelium, Hyperplasia		1												1		2										
Alveolus, Infiltration Cellular, Histiocyte					1				2	1	1		2			1				1						
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body					X	X					X											X				
Olfactory Epithelium, Inflammation																										
Respiratory Epithelium, Hyperplasia																					2					
Respiratory Epithelium, Inflammation				1	1	1					2											2				
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lens, Cataract					1																					
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Metaplasia																										
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accumulation, Hyaline Droplet																						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

FISCHER 344 RATS MALE
1250 MG/KG

DAY ON TEST	072	072	064	072	072	072	072	072	072	069	072	072	065	072	072	072	072	072	043	053	052	072	072	072	072	072	072
ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073	00074	00075		
Amyloid Deposition																						2					
Mineralization	1	1		1	1							1	1		1		1	1	1	1	1	1	1	1			
Nephropathy	2	3	2	2	3	3	3	3	2	1	1	1	2	2	2	2	2	1	1	2	2	3	2	2	2		
Cortex, Cyst																											
Papilla, Transitional Epithelium, Hyperplasia																											
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		

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	0728	0729	0728	0728	0728	0617	0728	0645	0727	0581	0728	0666	0576	0589	0724	0727	0681	0561	0701	0561	0728	0727	0727	0629	0724	
FISCHER 344 RATS MALE	ANIMAL ID	00076	00077	00078	00079	00080	00081	00082	00083	00084	00085	00086	00087	00088	00089	00090	00091	00092	00093	00094	00095	00096	00097	00098	00099	00100	*** TOTALS**
1250 MG/KG																											
ALIMENTARY SYSTEM																											
Esophagus		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Colon		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parasite Metazoan					X		X								X												**10**
Intestine Large, Rectum		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Duodenum		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Ileum		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Jejunum		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Liver		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis					1																	1					**6 1.2**
Basophilic Focus		X	X	X				X		X		X										X	X	X			**23**
Clear Cell Focus		X	X	X		X		X				X										X					**22**
Degeneration, Cystic			1			1	1			2																	**7 1.1**
Eosinophilic Focus		X	X	X								X											X				**7**
Fatty Change, Diffuse																											**3 2.0**
Hematopoietic Cell Proliferation				1					1							1	1										**6 1.0**
Hepatodiaphragmatic Nodule																									X		**6**
Inflammation		1	1	1	1	1	1	1		1		1				1	1			1		1	1	1	1	1	**34 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

FISCHER 344 RATS MALE
1250 MG/KG

DAY ON TEST	072	072	072	072	072	061	072	064	072	058	072	066	057	058	072	072	068	056	070	056	072	072	072	062	072	
ANIMAL ID	00076	00077	00078	00079	00080	00081	00082	00083	00084	00085	00086	00087	00088	00089	00090	00091	00092	00093	00094	00095	00096	00097	00098	00099	00100	*** TOTALS**
Mixed Cell Focus																										**1**
Necrosis										1																**4 1.8**
Pigmentation, Hemosiderin															3						1			1		**4 1.5**
Bile Duct, Hyperplasia	2	2	2	2	2	2	2	2	2	3	2	2	2	3	1	2	3	1	2	2	2	2	2	2	3	**49 2.2**
Centrilobular, Degeneration																									2	**2 2.5**
Hepatocyte, Hyperplasia																										**1 2.0**
Mesentery			+										+	+			+	+								**9**
Fat, Necrosis			4										3	3			1	1								**8 2.1**
Oral Mucosa																										**1**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy					3	1	3		1	1					3			4	4		1	1				**22 1.6**
Inflammation			1																					1		**2 1.0**
Duct, Cyst																										**1 2.0**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation												3						1								**3 2.3**
Necrosis																										**1 3.0**
Epithelium, Hyperplasia												3														**2 3.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation												2														**1 2.0**
Necrosis																										**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	072	072	072	072	072	061	072	064	072	058	072	066	057	058	072	072	068	056	070	056	072	072	072	062	072		
	8	9	8	8	8	7	8	5	7	1	8	6	6	9	4	7	1	1	1	1	8	7	7	9	4		
FISCHER 344 RATS MALE	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	001		
ANIMAL ID	076	077	078	079	080	081	082	083	084	085	086	087	088	089	090	091	092	093	094	095	096	097	098	099	00		
1250 MG/KG																									0	*** TOTALS**	
CARDIOVASCULAR SYSTEM																											
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cardiomyopathy	2	2	3	2	2	2	2	2	2	1	2	2	2	1	4	2	1	2	2	2	2	2	2	2	2		**50 2.0**
Atrium, Thrombosis															2												**2 2.5**
Valve, Thrombosis																											**1 1.0**
ENDOCRINE SYSTEM																											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hypertrophy	1																							1			**2 1.0**
Necrosis																											**1 2.0**
Zona Fasciculata, Hyperplasia			1																		1						**6 1.2**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia		2			1			1			1			2					3	1		3					**11 1.8**
Infiltration Cellular, Lymphocyte								2																			**1 2.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia	1																										**2 1.0**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	**49**	
Hyperplasia									2										2								**3 1.7**
Pituitary 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	072	072	072	072	072	061	072	064	072	058	072	066	057	058	072	072	068	056	070	056	072	072	072	062	072	
FISCHER 344 RATS MALE ANIMAL ID	00076	00077	00078	00079	00080	00081	00082	00083	00084	00085	00086	00087	00088	00089	00090	00091	00092	00093	00094	00095	00096	00097	00098	00099	00100	*** TOTALS**
1250 MG/KG																										
Pars Distalis, Angiectasis													2													**3 1.7**
Pars Distalis, Hyperplasia		3				2	3				1		1	4	2				2	1	2	2				**20 2.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Hyperplasia									2		1			1						3	1		1			**14 1.8**
Follicular Cell, Hyperplasia																										**1 1.0**
GENERAL BODY SYSTEM																										
NONE																										
GENITAL SYSTEM																										
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Fibrosis																										**1 3.0**
Inflammation																							3			**1 3.0**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation			2	1			2		2		1	1	1	2	2	2	1		2	1		1	2	2	3	**29 1.6**
Epithelium, Hyperplasia				1				1																		**7 1.6**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Interstitial Cell, Hyperplasia			1					4				2	2				2								1	**12 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	072	072	072	072	072	061	072	064	072	058	072	066	057	058	072	072	068	056	070	056	072	072	072	062	072		
	848	949	848	848	848	747	848	545	747	141	848	646	656	959	444	747	141	161	101	161	848	747	747	949	444		
FISCHER 344 RATS MALE ANIMAL ID	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	001		
1250 MG/KG	076	077	078	079	080	081	082	083	084	085	086	087	088	089	090	091	092	093	094	095	096	097	098	099	100	*** TOTALS**	
HEMATOPOIETIC SYSTEM																											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia				2		2		3	2	4			3	4		3	2	3	2	3		2		1			**28**	**2.5**
Myelofibrosis															1												**1**	**1.0**
Lymph Node	+							+	+	+		+		+	+				+							**15**		
Mediastinal, Hemorrhage	2																										**1**	**2.0**
Mediastinal, Infiltration Cellular, Histiocyte																											**1**	**2.0**
Mediastinal, Infiltration Cellular, Plasma Cell								2																			**3**	**2.0**
Pancreatic, Atrophy															4												**1**	**4.0**
Pancreatic, Ectasia									2						4												**2**	**3.0**
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	**0**		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**		
Atrophy							2		2						3				2								**6**	**2.5**
Ectasia								4							4												**2**	**4.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**		
Angiectasis										3																	**1**	**3.0**
Fibrosis										2																	**1**	**2.0**
Hematopoietic Cell Proliferation				2	1			1	2		1				1	2			1		1	2			2		**26**	**1.4**
Hyperplasia, Histiocytic																						4					**2**	**4.0**
Necrosis												2	1														**2**	**1.5**
Pigmentation, Hemosiderin	1	1	2		1	1	1	1	1										1		1	1	2		1		**30**	**1.1**
Lymphoid Follicle, Hyperplasia								4																			**1**	**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	072	072	072	072	072	061	072	064	072	058	072	066	057	058	072	072	068	056	070	056	072	072	072	062	072	
FISCHER 344 RATS MALE ANIMAL ID	00076	00077	00078	00079	00080	00081	00082	00083	00084	00085	00086	00087	00088	00089	00090	00091	00092	00093	00094	00095	00096	00097	00098	00099	00100	*** TOTALS**
1250 MG/KG																										
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	**47**	
Atrophy	3	4	3	4	4	4	3	3	3	4	3	4	4	2	4	3	3	3	3	3	3	4			3	**46 3.3**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ulcer				2																						**1 2.0**
Epidermis, Cyst Epithelial Inclusion				X								X							X							**5**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Femur, Osteopetrosis															3							1				**2 2.0**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Gliosis, Focal																										**1 1.0**
Necrosis																	1									**1 1.0**
RESPIRATORY 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	072	072	072	072	061	072	064	072	058	072	066	057	058	072	072	068	056	070	056	072	072	072	062	072	
FISCHER 344 RATS MALE ANIMAL ID	00076	00077	00078	00079	00080	00081	00082	00083	00084	00085	00086	00087	00088	00089	00090	00091	00092	00093	00094	00095	00096	00097	00098	00099	00100	*** TOTALS**
1250 MG/KG																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Fibrosis													1						1							**2 1.0**
Hemorrhage																										**1 2.0**
Inflammation								1		3								3	1						1	**8 2.0**
Alveolar Epithelium, Hyperplasia							1				1				2	2										**7 1.4**
Alveolus, Infiltration Cellular, Histiocyte					1	1				2					2	1			1					2		**14 1.4**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body					X										X		X									**7**
Olfactory Epithelium, Inflammation					1		1																			**2 1.0**
Respiratory Epithelium, Hyperplasia																										**1 2.0**
Respiratory Epithelium, Inflammation							1								2		1		2		1				1	**11 1.4**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Lens, Cataract																										**1 1.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Metaplasia																								2		**1 2.0**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accumulation, Hyaline Droplet																						1				**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	072	072	072	072	072	061	072	064	072	058	072	066	057	058	072	072	068	056	070	056	072	072	072	062	072	
FISCHER 344 RATS MALE ANIMAL ID	00076	00077	00078	00079	00080	00081	00082	00083	00084	00085	00086	00087	00088	00089	00090	00091	00092	00093	00094	00095	00096	00097	00098	00099	00100	*** TOTALS**
1250 MG/KG																										
Amyloid Deposition																										**1 2.0**
Mineralization	1			1	1	1	1		1	1				1	1	1			1	1		1	1	1	1	**31 1.0**
Nephropathy	1	3	1	2	2	1	2	1	4	1	2	1	1	1	3	2	1	1	4	2	2	3	2	1	2	**50 1.9**
Cortex, Cyst									2																	**1 2.0**
Papilla, Transitional Epithelium, Hyperplasia									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	07 27	07 27	07 28	07 07	06 09	06 52	07 29	07 28	07 28	07 28	07 28	07 29	07 27	05 33	07 29	07 29	06 57	05 38	07 27	07 29	07 27	07 27	07 27	07 28	
FISCHER 344 RATS MALE ANIMAL ID	00 01	00 02	00 03	00 04	00 05	00 06	00 07	00 08	00 09	00 10	00 11	00 12	00 13	00 14	00 15	00 16	00 17	00 18	00 19	00 20	00 21	00 22	00 23	00 24	00 25	**males (cont...)**
2500 MG/KG																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan							X			X										X			X			
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation					2																					
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Histiocytic																										
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Basophilic Focus	X	X	X				X	X				X	X		X	X	X			X	X		X	X	X	
Clear Cell Focus	X	X	X					X		X	X		X			X	X			X			X	X	X	
Degeneration, Cystic							2															1				
Eosinophilic Focus									X				X									X				
Hematopoietic Cell Proliferation	1					1																				
Hepatodiaphragmatic Nodule										X																
Inflammation	1	1	1			1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	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

FISCHER 344 RATS MALE
2500 MG/KG

DAY ON TEST	07 27	07 27	07 28	07 07	06 09	06 52	07 29	07 28	07 28	07 28	07 28	07 29	07 27	05 33	07 29	07 29	07 29	06 57	05 38	07 27	07 29	07 27	07 27	07 27	07 28
ANIMAL ID	00 101	00 102	00 103	00 104	00 105	00 106	00 107	00 108	00 109	00 110	00 111	00 112	00 113	00 114	00 115	00 116	00 117	00 118	00 119	00 120	00 121	00 122	00 123	00 124	00 125
Mixed Cell Focus																									
Necrosis																									
Bile Duct, Cyst																									
Bile Duct, Hyperplasia	1	1	1	3	1	2		1	1	1	2	2	2		1	1	1	1	2	1	2	1	1	2	2
Centrilobular, Degeneration																									
Serosa, Fibrosis																									
Mesentery	+										+														
Fat, Necrosis	3																								
Oral Mucosa												+													
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	1		1		1			1			3			1			1			1			1	1	1
Acinus, Hyperplasia																									
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																									
Necrosis																									
Duct, Metaplasia, Squamous																									
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																									
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mineralization	1																								
Tongue																									
Epithelium, Hyperplasia																									

* .. 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	07 27	07 27	07 28	07 07	06 09	06 52	07 29	07 28	07 28	07 28	07 28	07 29	07 27	05 33	07 29	07 29	07 29	06 57	05 38	07 27	07 29	07 27	07 27	07 27	07 28
FISCHER 344 RATS MALE ANIMAL ID	00 101	00 102	00 103	00 104	00 105	00 106	00 107	00 108	00 109	00 110	00 111	00 112	00 113	00 114	00 115	00 116	00 117	00 118	00 119	00 120	00 121	00 122	00 123	00 124	00 125
2500 MG/KG																									**males (cont...)**
CARDIOVASCULAR SYSTEM																									
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	2	2	3	2	3	2	2	3	3	2	2	2	2	2	3	2	2	3	2	2	2	3	2	3	2
Atrium, Thrombosis											2														
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																									
Degeneration, Cystic						3																			
Hypertrophy	3					1				1			1												
Zona Fasciculata, Hyperplasia								1														1	1		
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia				1				1																3	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																									2
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																									

* .. 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	072	072	070	060	065	072	072	072	072	072	072	072	053	072	072	072	065	053	072	072	072	072	072	072
FISCHER 344 RATS MALE ANIMAL ID	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001
2500 MG/KG	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
males (cont...)																									
Necrosis																									
Pars Distalis, Angiectasis																									
Pars Distalis, Hyperplasia	1		1					3					2	2						2				1	1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia			1			1				2			2							2				2	1
GENERAL BODY SYSTEM																									
NONE																									
GENITAL SYSTEM																									
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																									
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																							2		
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation						3		1	2			2		1	1			1			2	2		1	1
Epithelium, Hyperplasia													2								1	1		2	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Interstitial Cell, Hyperplasia	2	2				1		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	07 27	07 27	07 28	07 07	06 09	06 52	07 29	07 28	07 28	07 28	07 28	07 29	07 27	05 33	07 29	07 29	06 57	05 38	07 27	07 29	07 27	07 27	07 27	07 28				
FISCHER 344 RATS MALE ANIMAL ID	00 01	00 02	00 03	00 04	00 05	00 06	00 07	00 08	00 09	00 10	00 11	00 12	00 13	00 14	00 15	00 16	00 17	00 18	00 19	00 20	00 21	00 22	00 23	00 24	00 25			
2500 MG/KG																										**males (cont...)**		
HEMATOPOIETIC SYSTEM																												
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Hyperplasia			1	3	3	1		1		1	2	1		1		2		3		2	2			1	1			
Myelofibrosis																												
Lymph Node				+																			+					
Mediastinal, Infiltration Cellular, Plasma Cell				2																								
Mediastinal, Necrosis																												
Pancreatic, Ectasia				2																								
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M			
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Atrophy											3												1	2				
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Hematopoietic Cell Proliferation	3	1	1				1	1		1	2	1	1	1	1		1	2		1	2				1			
Necrosis																												
Pigmentation, Hemosiderin		1	1			1	2	1	1	1			1	1	1	1	1		2	1	1			1	1			
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Atrophy	3	3	3	3	3	4	3	3	3	3	3	3	3	3	4	3	3	4	4	3	3	3	3	4	3			
INTEGUMENTARY 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	07 27	07 27	07 28	07 07	06 09	06 52	07 29	07 28	07 28	07 28	07 29	07 27	05 33	07 29	07 29	07 29	06 57	05 38	07 27	07 29	07 27	07 27	07 27	07 28
FISCHER 344 RATS MALE ANIMAL ID	00 101	00 102	00 103	00 104	00 105	00 106	00 107	00 108	00 109	00 110	00 111	00 112	00 113	00 114	00 115	00 116	00 117	00 118	00 119	00 120	00 121	00 122	00 123	00 124	00 125
2500 MG/KG																									**males (cont...)**
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																		1							
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epidermis, Cyst Epithelial Inclusion				X			X			X															
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Femur, Osteopetrosis																									
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Necrosis					3																				
Peripheral Nerve																						+			
Infiltration Cellular, Mononuclear Cell																									
RESPIRATORY SYSTEM																									
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis																		1							
Inflammation													1												
Alveolar Epithelium, Hyperplasia		2						1	1				3			3									1
Alveolar Epithelium, Metaplasia																									

* .. 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	07 27	07 27	07 28	07 07	06 09	06 52	07 29	07 28	07 28	07 28	07 29	07 27	05 33	07 29	07 29	07 29	06 57	05 38	07 27	07 29	07 27	07 27	07 27	07 28
FISCHER 344 RATS MALE ANIMAL ID	00 01	00 02	00 03	00 04	00 05	00 06	00 07	00 08	00 09	00 10	00 11	00 12	00 13	00 14	00 15	00 16	00 17	00 18	00 19	00 20	00 21	00 22	00 23	00 24	00 25
2500 MG/KG																									**males (cont...)**
Alveolar Epithelium, Metaplasia, Squamous																									
Alveolus, Infiltration Cellular, Histiocyte											1		1				1			1			1	1	1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body																					X		X		
Olfactory Epithelium, Inflammation																					1				
Respiratory Epithelium, Inflammation				1																			2		
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Anterior Chamber, Posterior Chamber, Fibrosis																									
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Metaplasia				2																					
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mineralization	1	1				1	1			1		1			1	1	1		1		1	1		1	
Nephropathy	1	2	3	2	1	2	3	2	2	1	2	1	2	1	2	2	2	2	1	2	3	2	2	2	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	07 27	07 27	07 28	07 07	06 09	06 52	07 29	07 28	07 28	07 28	07 28	07 29	07 27	05 33	07 29	07 29	07 29	06 57	05 38	07 27	07 29	07 27	07 27	07 27	07 28	
FISCHER 344 RATS MALE ANIMAL ID	00 101	00 102	00 103	00 104	00 105	00 106	00 107	00 108	00 109	00 110	00 111	00 112	00 113	00 114	00 115	00 116	00 117	00 118	00 119	00 120	00 121	00 122	00 123	00 124	00 125	
2500 MG/KG																										**males (cont...)**

DAY ON TEST	072 7	072 8	067 6	072 8	071 3	066 3	066 9	072 7	072 7	072 8	072 8	072 9	072 8	000 6	072 8	072 7	072 8	072 9	072 7	068 1	072 8	063 3	072 7	072 9	072 7	
FISCHER 344 RATS MALE ANIMAL ID	001 26	001 27	001 28	001 29	001 30	001 31	001 32	001 33	001 34	001 35	001 36	001 37	001 38	001 39	001 40	001 41	001 42	001 43	001 44	001 45	001 46	001 47	001 48	001 49	001 50	*** TOTALS**
2500 MG/KG																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parasite Metazoan	X						X	X	X			X									X	X				**11**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation																										**1 2.0**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Histiocytic				2																						**1 2.0**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Basophilic Focus		X	X	X							X		X		X			X	X		X	X		X	X	**27**
Clear Cell Focus	X	X		X					X			X	X		X		X		X		X	X			X	**25**
Degeneration, Cystic							1				1				1											**5 1.2**
Eosinophilic Focus	X												X													**5**
Hematopoietic Cell Proliferation							1																			**3 1.0**
Hepatodiaphragmatic Nodule																										**1**
Inflammation	1	1	1	1		1		1	1		1	1	1		1		1	1	1		1	1	1	1	1	**41 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

FISCHER 344 RATS MALE
2500 MG/KG

DAY ON TEST	072	072	067	072	071	066	069	072	072	072	072	072	072	000	072	072	072	072	072	068	072	063	072	072	072	
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	*** TOTALS**
	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	
Mixed Cell Focus			X																							**1**
Necrosis																				2						**1 2.0**
Bile Duct, Cyst																						2				**1 2.0**
Bile Duct, Hyperplasia	2	1		2		2	1	1	1	3	2	1	2		2	2	1	1	2	3	1	2	2	1		**44 1.5**
Centrilobular, Degeneration							1																			**1 1.0**
Serosa, Fibrosis																						2				**1 2.0**
Mesentery							+									+			+	+						**6**
Fat, Necrosis																1			1	3						**4 2.0**
Oral Mucosa																										**1**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy	1				2	1		1	3		1	1							1	1		1		1	1	**23 1.2**
Acinus, Hyperplasia		1		1																						**2 1.0**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation																				3						**1 3.0**
Necrosis																				2						**1 2.0**
Duct, Metaplasia, Squamous																				4						**1 4.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation																				1						**1 1.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Mineralization																										**1 1.0**
Tongue												+														**1**
Epithelium, Hyperplasia												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	072	072	067	072	071	066	069	072	072	072	072	072	072	000	072	072	072	072	072	068	072	063	072	072	072	
FISCHER 344 RATS MALE ANIMAL ID	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	
2500 MG/KG	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	*** TOTALS**
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	2	2	2	2	3	3	2	2	2	2	3	2	2	1	2	2	2	2	2	2	2	3	2	2	3	**50 2.2**
Atrium, Thrombosis							1													1						**3 1.3**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy			3																							**1 3.0**
Degeneration, Cystic																										**1 3.0**
Hypertrophy																										**4 1.5**
Zona Fasciculata, Hyperplasia	1												1					1			2					**7 1.1**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia										4							1			3						**6 2.2**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																										**1 2.0**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy			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	072	072	067	072	071	066	069	072	072	072	072	072	072	000	072	072	072	072	072	068	072	063	072	072	072	
FISCHER 344 RATS MALE ANIMAL ID	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	
2500 MG/KG	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	*** TOTALS**
Necrosis																				2						**1 2.0**
Pars Distalis, Angiectasis											1															**1 1.0**
Pars Distalis, Hyperplasia			1				2		1	4			1		2				3			1		2	3	**18 1.8**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Hyperplasia	1						2		1		4	2			1	1										**14 1.6**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation																				2							**1 2.0**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation																											**1 2.0**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation						1	2	2			1	1			2						2		1	2			**20 1.6**
Epithelium, Hyperplasia				3	2	1		1																			**8 1.6**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Interstitial Cell, Hyperplasia						2		3										2	2								**11 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	072	072	067	072	071	066	069	072	072	072	072	072	072	000	072	072	072	072	072	068	072	063	072	072	072			
FISCHER 344 RATS MALE ANIMAL ID	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001			
2500 MG/KG	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	*** TOTALS**		
HEMATOPOIETIC SYSTEM																												
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**		
Hyperplasia	2	2		2	3		4		1	3	1					4	1					2		2			**27**	**1.9**
Myelofibrosis															1												**1**	**1.0**
Lymph Node										+										+						**4**		
Mediastinal, Infiltration Cellular, Plasma Cell																											**1**	**2.0**
Mediastinal, Necrosis																				3							**1**	**3.0**
Pancreatic, Ectasia																											**1**	**2.0**
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	**0**		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**		
Atrophy																											**3**	**2.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**		
Hematopoietic Cell Proliferation	1	1	2		1	1	3	1				1	1	1	1		1	1	1		1		1		1		**33**	**1.2**
Necrosis																				4							**1**	**4.0**
Pigmentation, Hemosiderin	1		2			2		1	1			1			1		1	1	1		1	1	1	1			**31**	**1.1**
Thymus	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**		
Atrophy	3	3		3	4	3	4	3	3	4	3	4	3		3	3	3	4	4		3	3	4	3	3		**47**	**3.3**
INTEGUMENTARY 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	07 27	07 28	06 76	07 28	07 13	06 63	06 99	07 27	07 27	07 28	07 28	07 29	07 28	00 06	07 28	07 27	07 28	07 29	07 27	06 81	07 28	06 33	07 27	07 29	07 27	
FISCHER 344 RATS MALE ANIMAL ID **2500 MG/KG**	00 12 6	00 12 7	00 12 8	00 12 9	00 13 0	00 13 1	00 13 2	00 13 3	00 13 4	00 13 5	00 13 6	00 13 7	00 13 8	00 13 9	00 14 0	00 14 1	00 14 2	00 14 3	00 14 4	00 14 5	00 14 6	00 14 7	00 14 8	00 14 9	00 15 0	*** TOTALS**	
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cyst																											**1 1.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Epidermis, Cyst Epithelial Inclusion								X										X					X				**6**
MUSCULOSKELETAL SYSTEM																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Femur, Osteopetrosis															2												**1 2.0**
NERVOUS SYSTEM																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Necrosis																				2							**2 2.5**
Peripheral Nerve							+																			**2**	
Infiltration Cellular, Mononuclear Cell							2																				**1 2.0**
RESPIRATORY SYSTEM																											
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Fibrosis																											**1 1.0**
Inflammation													1							2							**3 1.3**
Alveolar Epithelium, Hyperplasia					3																						**7 2.0**
Alveolar Epithelium, Metaplasia															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	072	072	067	072	071	066	069	072	072	072	072	072	072	000	072	072	072	072	072	068	072	063	072	072	072	
FISCHER 344 RATS MALE ANIMAL ID	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	
2500 MG/KG	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	*** TOTALS**
Alveolar Epithelium, Metaplasia, Squamous			1									1														**2 1.0**
Alveolus, Infiltration Cellular, Histiocyte		1		1	1			1				1	1	1		2			1	1		1				**18 1.1**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body																X			X		X	X	X	X	X	**9**
Olfactory Epithelium, Inflammation																							2			**2 1.5**
Respiratory Epithelium, Inflammation					1		2									3			2		1	1		2	2	**10 1.7**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Anterior Chamber, Posterior Chamber, Fibrosis																								4		**1 4.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Metaplasia																										**1 2.0**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Mineralization	1	1	1		1	1	1	1	1	1		1			1	1	1					1		1	1	**29 1.0**
Nephropathy	2	1	1	2	1	2	1	2	2	2	1	2	2	1	3	2	2	2	1	1	2	1	2	3	3	**50 1.8**
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	072	072	067	072	071	066	069	072	072	072	072	072	072	000	072	072	072	072	072	068	072	063	072	072	072	
FISCHER 344 RATS MALE ANIMAL ID	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	
2500 MG/KG	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	*** TOTALS**

* .. 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	072 7	072 8	072 4	072 8	053 8	072 8	070 0	072 7	025 9	046 1	072 7	057 0	072 8	033 4	052 4	063 6	072 8	072 8	072 7	072 7	055 1	072 7	072 9	069 8	
FISCHER 344 RATS MALE ANIMAL ID	0001 51	0001 52	0001 53	0001 54	0001 55	0001 56	0001 57	0001 58	0001 59	0001 60	0001 61	0001 62	0001 63	0001 64	0001 65	0001 66	0001 67	0001 68	0001 69	0001 70	0001 71	0001 72	0001 73	0001 74	0001 75	**males (cont...)**
5000 MG/KG																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan																			X							
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																					1					
Basophilic Focus	X	X	X		X				X			X						X		X	X		X	X		
Clear Cell Focus	X		X		X		X					X					X	X		X	X		X	X		
Degeneration, Cystic				2					2									1	1							
Eosinophilic Focus	X				X												X			X	X			X		
Fatty Change, Focal					1																					
Fatty Change, Diffuse														1												
Hematopoietic Cell Proliferation										1				1												
Hepatodiaphragmatic Nodule	X								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

FISCHER 344 RATS MALE
5000 MG/KG

DAY ON TEST	0729	0727	0728	0724	0728	0538	0728	0700	0727	0259	0461	0727	0570	0728	0334	0524	0636	0728	0728	0727	0727	0551	0727	0729	0698	
ANIMAL ID	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	**males (cont...)**
Inflammation	1	1	1		1	1	1				1	1				1	1	1	1	1	1	1	1	1		
Mixed Cell Focus		X	X																							
Necrosis										3															2	
Bile Duct, Hyperplasia	1	1	1	3	1	1	1	1	3		1	2		1			1	1	1	1	1	1	1	1		
Hepatocyte, Hyperplasia										2																
Oval Cell, Hyperplasia																										
Mesentery																					+					
Fat, Necrosis																										
Oral Mucosa																										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy				1	1				1		1		1				2	2	1		2					
Acinus, Basophilic Focus																				1						
Acinus, Hyperplasia																		1								
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation																										
Necrosis																										
Epithelium, Dysplasia																										
Epithelium, Hyperplasia										1																
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Dysplasia																										

* .. 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	072	072	072	072	053	072	070	072	025	046	072	057	072	033	052	063	072	072	072	055	072	072	069
	899	707	808	404	808	808	808	000	707	909	101	707	000	808	404	404	606	808	808	707	101	707	909	808
FISCHER 344 RATS MALE ANIMAL ID	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001
5000 MG/KG	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535
males (cont...)																									
CARDIOVASCULAR SYSTEM																									
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mineralization																									
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	2	3	2	2	1	2	2	3	2	1	2	2		2	1	2	2	2	3	3	3	2	2	2	2
Atrium, Thrombosis								1																	
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Degeneration, Cystic																									
Hypertrophy										2				1											
Necrosis										1															
Zona Fasciculata, Hyperplasia																	1								
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia					2			1	1			4						1							
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																									
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	M	+	+	+	+
Hyperplasia																									
Pituitary 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

FISCHER 344 RATS MALE
5000 MG/KG

males (cont...)

DAY ON TEST	072	072	072	072	072	053	072	070	072	025	046	072	057	072	033	052	063	072	072	072	072	055	072	072	069
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
	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175
Fibrosis																	1								
Pars Distalis, Angiectasis																				2					
Pars Distalis, Hyperplasia	2			2		1					1	1	1	3						1	2			2	2
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia		1		1					2			1					2	4	2	1			1		

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation		4																							
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation		2	2	2		1							1	1		1			3		2				1
Epithelium, Hyperplasia			3				2																		
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																									
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Germinal Epithelium, Degeneration															4										
Interstitial Cell, Hyperplasia		2						2			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	0729	0727	0728	0724	0728	0538	0728	0700	0727	0259	0461	0727	0570	0728	0334	0524	0636	0728	0728	0727	0727	0551	0727	0729	0698
FISCHER 344 RATS MALE ANIMAL ID	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001
5000 MG/KG	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575

males (cont...)

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia	1	2		3	1		1		3	3		2	3	2				1	1		1		1		4
Lymph Node				+					+																	
Mediastinal, Hyperplasia, Lymphoid																										
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy														1									3			
Hyperplasia, Lymphoid																										
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis																										
Hematopoietic Cell Proliferation	1			2	1		1		2	3	1	1	1	1			1	1			1	2	1	1	2
Necrosis																										
Pigmentation, Hemosiderin	1	1	1		1	1	1	1			1	1	1	1	1	2		1		1	1	2	1	1		
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	3	4	3	4	4	3	3		3	3	2	3	3	4	3	3	3	3	3	4	4	4	4	3	4

INTEGUMENTARY SYSTEM

Mammary 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	0729	0727	0728	0724	0728	0538	0728	0700	0727	0259	0461	0727	0570	0728	0334	0524	0636	0728	0728	0727	0727	0551	0727	0729	0698
FISCHER 344 RATS MALE ANIMAL ID	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001
5000 MG/KG	0151	0152	0153	0154	0155	0156	0157	0158	0159	0160	0161	0162	0163	0164	0165	0166	0167	0168	0169	0170	0171	0172	0173	0174	0175
males (cont...)																									
Cyst																		3							
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epidermis, Cyst Epithelial Inclusion				X				X				X	X	X								X			
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Femur, Osteopetrosis																									
Skeletal Muscle								+																	
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
RESPIRATORY SYSTEM																									
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis	1																								
Hemorrhage																									2
Inflammation														3									2		
Alveolar Epithelium, Hyperplasia							1										1								
Alveolar Epithelium, Metaplasia																	1								
Alveolus, Infiltration Cellular, Histiocyte	1		1			1	1					1	1			1				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	07/29	07/27	07/28	07/24	07/28	05/38	07/28	07/00	07/27	02/59	04/61	07/27	05/70	07/28	03/34	05/24	06/36	07/28	07/28	07/27	07/27	05/51	07/27	07/29	06/98
FISCHER 344 RATS MALE ANIMAL ID	0001551	0001552	0001553	0001554	0001555	0001556	0001557	0001558	0001559	0001560	0001561	0001562	0001563	0001564	0001565	0001566	0001567	0001568	0001569	0001570	0001571	0001572	0001573	0001574	0001575
5000 MG/KG																									**males (cont...)**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body										X	X														
Olfactory Epithelium, Inflammation														1			1								
Respiratory Epithelium, Inflammation				3			1			1	1			3			1								
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																									
Ulcer																									
Epithelium, Metaplasia, Squamous																									
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cornea, Inflammation																									
Lens, Cataract																									
Retina, Degeneration				1																					
Retina, Necrosis																									1
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Zymbal's Gland																									
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accumulation, Hyaline Droplet														1											
Mineralization	1	1			1	1	1				1		1		1	1	1	1	1	1	1	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	072	072	072	072	072	053	072	070	072	025	046	072	057	072	033	052	063	072	072	072	072	055	072	072	069		
	9	7	8	4	8	8	8	0	7	9	1	7	0	8	4	4	6	8	8	7	7	1	7	9	8		
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		
5000 MG/KG	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175		**males (cont...)**
Nephropathy	2	1	2	1			1	1	2		1		1	2		1	1	2	2	1	1	1	2	2	1		
Cortex, Hemorrhage																											
Papilla, Necrosis																											
Renal Tubule, Dilatation																											
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Inflammation																											

* .. 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	061	067	072	060	067	053	072	064	072	069	067	072	061	068	004	072	072	071	068	072	065	072	062	072		
	070	077	078	079	080	081	082	083	084	085	086	087	088	089	090	091	092	093	094	095	096	097	098	099	000		
FISCHER 344 RATS MALE ANIMAL ID																											
5000 MG/KG																											
*** TOTALS**																											
ALIMENTARY SYSTEM																											
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Parasite Metazoan						X																					**2**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Angiectasis																											**1 1.0**
Basophilic Focus						X		X		X	X		X				X	X					X		X		**20**
Clear Cell Focus				X	X			X		X		X					X				X		X		X		**20**
Degeneration, Cystic																				1							**5 1.4**
Eosinophilic Focus								X														X					**8**
Fatty Change, Focal																			2								**2 1.5**
Fatty Change, Diffuse																											**1 1.0**
Hematopoietic Cell Proliferation									1																		**3 1.0**
Hepatodiaphragmatic Nodule	X																										**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

FISCHER 344 RATS MALE

5000 MG/KG

DAY ON TEST	0720	0617	0671	0727	0605	0678	0534	0727	0647	0729	0699	0673	0727	0613	0681	0044	0728	0728	0716	0681	0729	0652	0727	0624	0727	
ANIMAL ID	00176	00177	00178	00179	00180	00181	00182	00183	00184	00185	00186	00187	00188	00189	00190	00191	00192	00193	00194	00195	00196	00197	00198	00199	00200	*** TOTALS**
Inflammation			1	1	1		1	1		1	1	1		1	1		1	1			1		1		1	**32 1.0**
Mixed Cell Focus												X									X				X	**5**
Necrosis																										**2 2.5**
Bile Duct, Hyperplasia	2		1	1	1	1		1	2	1			3		2		1	1	1	2	1	2	2	2	1	**39 1.4**
Hepatocyte, Hyperplasia																										**1 2.0**
Oval Cell, Hyperplasia									1																	**1 1.0**
Mesentery								+	+						+								+			**5**
Fat, Necrosis								3	1						3								2			**4 2.3**
Oral Mucosa					+																					**1**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy			4	1	1			2	1	3	3	1							1		3	1	1		1	**22 1.6**
Acinus, Basophilic Focus																										**1 1.0**
Acinus, Hyperplasia			1																				2			**3 1.3**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation		2																		2						**2 2.0**
Necrosis		1																								**1 1.0**
Epithelium, Dysplasia									1																	**1 1.0**
Epithelium, Hyperplasia									2											2						**3 1.7**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Dysplasia					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	0720	0617	0671	0727	0605	0678	0534	0727	0647	0729	0699	0673	0727	0613	0681	0044	0728	0728	0716	0681	0729	0652	0727	0624	0727	
FISCHER 344 RATS MALE	ANIMAL ID	0017	0017	0017	0017	0018	0018	0018	0018	0018	0018	0018	0018	0018	0018	0019	0019	0019	0019	0019	0019	0019	0019	0019	0019	0020	
5000 MG/KG		76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	*** TOTALS**
CARDIOVASCULAR SYSTEM																											
Blood Vessel		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Mineralization			2																								**1 2.0**
Heart		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy		2	2	2	2	2	2	1	2	2	2	2	2	2	2	3	1	1	2	2	2	2	1	2	3	2	**49 2.0**
Atrium, Thrombosis																											**1 1.0**
ENDOCRINE SYSTEM																											
Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Degeneration, Cystic																				1							**1 1.0**
Hypertrophy						2																		3			**4 2.0**
Necrosis													1														**2 1.0**
Zona Fasciculata, Hyperplasia			1									1						2						4		1	**6 1.7**
Adrenal Medulla		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia		2				2					1									2			1	3			**11 1.8**
Islets, Pancreatic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia											1																**1 1.0**
Parathyroid Gland		+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	**46**
Hyperplasia			1																								**1 1.0**
Pituitary 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	0720	0617	0671	0727	0605	0678	0534	0727	0647	0729	0699	0673	0727	0613	0681	0044	0728	0728	0716	0681	0729	0652	0727	0624	0727
FISCHER 344 RATS MALE ANIMAL ID	0017	0017	0017	0017	0017	0018	0018	0018	0018	0018	0018	0018	0018	0018	0019	0019	0019	0019	0019	0019	0019	0019	0019	0019	0020
5000 MG/KG	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00
Fibrosis																									
Pars Distalis, Angiectasis																									
Pars Distalis, Hyperplasia						1	3	2	1	3			1		3						2		1	4	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia						2				2								1			3		2		

	*	TOTALS
Fibrosis	1	1.0
Pars Distalis, Angiectasis	1	2.0
Pars Distalis, Hyperplasia	21	1.9
Thyroid Gland	50	
C-cell, Hyperplasia	14	1.8

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation																	4									2	4.0
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation		3		2					3	1	1			3					1	1	1	2		1		21	1.7
Epithelium, Hyperplasia								2																	1	4	2.0
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation		3																								1	3.0
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Germinal Epithelium, Degeneration																										1	4.0
Interstitial Cell, Hyperplasia		2									1								2					3	2	9	2.4

* .. 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	072	061	067	072	060	067	053	072	064	072	069	067	072	061	068	004	072	072	071	068	072	065	072	062	072		
	070	067	071	077	055	078	034	077	067	079	099	073	077	033	081	044	078	088	076	081	079	052	077	064	077		
FISCHER 344 RATS MALE ANIMAL ID	00176	00177	00178	00179	00180	00181	00182	00183	00184	00185	00186	00187	00188	00189	00190	00191	00192	00193	00194	00195	00196	00197	00198	00199	00200		
5000 MG/KG																										*** TOTALS**	

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia	3		2		2	3				1		1	2		2			1		3	1	3		3			**28 2.0**
Lymph Node	+								+											+					+	**6**	
Mediastinal, Hyperplasia, Lymphoid																									2		**1 2.0**
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	**0**	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Atrophy		2																1									**4 1.8**
Hyperplasia, Lymphoid														2													**1 2.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Fibrosis																						2					**1 2.0**
Hematopoietic Cell Proliferation	2							1				2			1			1		2	1		1		1		**26 1.3**
Necrosis													2														**1 2.0**
Pigmentation, Hemosiderin		2		1				1			1	1		2	1		1	1	2				1		1		**31 1.2**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Atrophy	3	4	3	4	3	4	3	3		4	3	3		3	3		4	4	4	3	4	4	3	4	3		**46 3.4**

INTEGUMENTARY SYSTEM

Mammary 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	072	061	067	072	060	067	053	072	064	072	069	067	072	061	068	004	072	072	071	068	072	065	072	062	072	
FISCHER 344 RATS MALE ANIMAL ID	00176	00177	00178	00179	00180	00181	00182	00183	00184	00185	00186	00187	00188	00189	00190	00191	00192	00193	00194	00195	00196	00197	00198	00199	00200	*** TOTALS**
5000 MG/KG																										
Cyst																										**1 3.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Epidermis, Cyst Epithelial Inclusion																						X				**7**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Femur, Osteopetrosis									3				2													**2 2.5**
Skeletal Muscle																										**1**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Fibrosis																									1	**2 1.0**
Hemorrhage																										**1 2.0**
Inflammation	1				1						1		1			2						3				**8 1.8**
Alveolar Epithelium, Hyperplasia										4					1			2					1			**6 1.7**
Alveolar Epithelium, Metaplasia																										**1 1.0**
Alveolus, Infiltration Cellular, Histiocyte	1		1			1				1			1	1	1			2						2		**19 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

FISCHER 344 RATS MALE

5000 MG/KG

DAY ON TEST	0720	0617	0671	0727	0605	0678	0534	0727	0647	0729	0699	0673	0727	0613	0681	0044	0728	0728	0716	0681	0729	0652	0727	0624	0727	
ANIMAL ID	0017 76	0017 77	0017 78	0017 79	0018 00	0018 01	0018 02	0018 03	0018 04	0018 85	0018 86	0018 87	0018 88	0018 89	0019 00	0019 01	0019 02	0019 03	0019 04	0019 05	0019 06	0019 07	0019 08	0019 99	0020 00	*** TOTALS**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body						X											X		X							**5**
Olfactory Epithelium, Inflammation	2															2										**4 1.5**
Respiratory Epithelium, Inflammation	3		3	2	3	2			3						2		2		2	2						**16 2.1**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation																2										**1 2.0**
Ulcer																3										**1 3.0**
Epithelium, Metaplasia, Squamous																1										**1 1.0**

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cornea, Inflammation			3																							**1 3.0**
Lens, Cataract			2																							**1 2.0**
Retina, Degeneration	2								1																	**3 1.3**
Retina, Necrosis																										**1 1.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Zymbal's Gland															+											**1**

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Accumulation, Hyaline Droplet																										**1 1.0**
Mineralization		2	1	1	1		1	1	1	1	1		1	1	1		1		1	1	1		1	1		**35 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	061	067	072	060	067	053	072	064	072	069	067	072	061	068	004	072	072	071	068	072	065	072	062	072	
FISCHER 344 RATS MALE ANIMAL ID	0001776	0001777	0001778	0001779	0001780	0001781	0001782	0001783	0001784	0001785	0001786	0001787	0001788	0001789	0001790	0001791	0001792	0001793	0001794	0001795	0001796	0001797	0001798	0001799	0002000	*** TOTALS**
5000 MG/KG																										
Nephropathy	1	2	1	2	1	2	1	1	2	2	3	1	3	1	1		2	2	3	1	2	1	2	1	2	**44 1.5**
Cortex, Hemorrhage																3										**1 3.0**
Papilla, Necrosis		2																								**1 2.0**
Renal Tubule, Dilatation		4																								**1 4.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation		4																								**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	07 28	07 29	07 28	07 30	07 30	07 30	07 29	07 30	07 30	07 29	06 50	07 29	07 29	07 30	05 61	03 97	07 30	07 30	07 29	07 30	07 29	07 29	07 29	06 35	07 29	
FISCHER 344 RATS FEMALE ANIMAL ID	00 201	00 202	00 203	00 204	00 205	00 206	00 207	00 208	00 209	00 210	00 211	00 212	00 213	00 214	00 215	00 216	00 217	00 218	00 219	00 220	00 221	00 222	00 223	00 224	00 225	**females (cont...)**
0 MG/KG																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan																	X		X							
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis	1																									
Basophilic Focus	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Clear Cell Focus					X	X	X		X																	
Degeneration, Cystic																						1				
Eosinophilic Focus		X						X					X						X						X	
Fatty Change, Focal																										
Fatty Change, Diffuse							1				2											1				
Hematopoietic Cell Proliferation		1					1				1							1								
Hepatodiaphragmatic Nodule															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

FISCHER 344 RATS FEMALE
0 MG/KG
females (cont...)

DAY ON TEST	072 8	072 9	072 8	073 0	073 0	073 0	072 9	073 0	073 0	072 9	065 0	072 9	072 9	073 0	056 1	039 7	073 0	073 0	072 9	073 0	072 9	072 9	072 9	063 5	072 9
ANIMAL ID	0002 01	0002 02	0002 03	0002 04	0002 05	0002 06	0002 07	0002 08	0002 09	0002 10	0002 11	0002 12	0002 13	0002 14	0002 15	0002 16	0002 17	0002 18	0002 19	0002 20	0002 21	0002 22	0002 23	0002 24	0002 25
Inflammation	1	2	1	3	1	1	1	1	1	1	1		2	1	1	1	1	1	1	1	1	1	1	1	1
Mixed Cell Focus													X											X	
Pigmentation, Hemosiderin													1											1	
Bile Duct, Hyperplasia					1	1		2				2					1	1		1	1	1	1	1	1
Mesentery	+			+									+								+			+	
Fat, Necrosis	1			1									1								2			1	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy		1						1		1		1			1					1			4		2
Inflammation																									
Acinus, Vacuolization Cytoplasmic																									
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																									
Inflammation																									
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																									
Necrosis																									
Epithelium, Hyperplasia																									
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Tongue																							+		
Epithelium, Hyperplasia																							1		
Tooth		+																							
Peridontal Tissue, Inflammation		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	072 8	072 9	072 8	073 0	073 0	073 0	072 9	073 0	073 0	072 9	065 0	072 9	072 9	073 0	056 1	039 7	073 0	073 0	072 9	073 0	072 9	072 9	063 5	072 9
FISCHER 344 RATS FEMALE ANIMAL ID	000 201	000 202	000 203	000 204	000 205	000 206	000 207	000 208	000 209	000 210	000 211	000 212	000 213	000 214	000 215	000 216	000 217	000 218	000 219	000 220	000 221	000 222	000 223	000 224	000 225
0 MG/KG																									**females (cont...)**
CARDIOVASCULAR SYSTEM																									
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation																				1					
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	1	1	2	2	3		2	2	2		2	1	3	2	2	1	2	1	2	1	2	2	2	2	
Endocardium, Hyperplasia												2													
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy		3																							
Degeneration, Cystic					4					2			1												
Hypertrophy										1					1								1		
Necrosis																									
Zona Fasciculata, Hyperplasia			2	1						1	1							1	1			1			
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia					1																2				
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																									
Inflammation, Chronic																									
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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	0728	0729	0728	0730	0730	0730	0729	0730	0730	0729	0650	0729	0729	0730	0561	0397	0730	0730	0729	0730	0729	0729	0729	0635	0729
FISCHER 344 RATS FEMALE ANIMAL ID	00201	00202	00203	00204	00205	00206	00207	00208	00209	00210	00211	00212	00213	00214	00215	00216	00217	00218	00219	00220	00221	00222	00223	00224	00225
0 MG/KG																									**females (cont...)**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage																									
Pars Distalis, Angiectasis	2			3															2	1					
Pars Distalis, Hyperplasia			4		4	2	4	1	4	2		3	1	1			1		1	1			3		4
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia		2	2					2	2	3			1						1	4	2		1		
GENERAL BODY SYSTEM																									
NONE																									
GENITAL SYSTEM																									
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst											1							4					4		4
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endometrium, Hyperplasia, Cystic			1																1		1				
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia				2				3	2		2	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	07/28	07/29	07/28	07/30	07/30	07/30	07/29	07/30	07/30	07/29	06/50	07/29	07/29	07/30	05/61	03/97	07/30	07/30	07/29	07/30	07/29	07/29	07/29	06/35	07/29
FISCHER 344 RATS FEMALE ANIMAL ID	00201	00202	00203	00204	00205	00206	00207	00208	00209	00210	00211	00212	00213	00214	00215	00216	00217	00218	00219	00220	00221	00222	00223	00224	00225
0 MG/KG																									**females (cont...)**
Myelofibrosis																									
Lymph Node																									
Deep Cervical, Infiltration Cellular, Histiocyte																									
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy			2	2																					
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation	2	2		2	1	1	1	1		2	2	1	1	2	1	2	2	1	1	2	1	1	1	1	1
Hyperplasia, Histiocytic				4																					
Pigmentation, Hemosiderin	2	2			1	1	1		2	1	2		1	1	2	2	1	1	2	1	2	2	1	2	1
Capsule, Fibrosis																									
Lymphoid Follicle, Atrophy																									
Thymus	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+
Atrophy	3	3	4	4	4	3		3	3	3	2	3	3	3	2	3	3		3	4	3	3	3	3	2
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* .. 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	07/28	07/29	07/28	07/30	07/30	07/30	07/29	07/30	07/30	07/29	06/50	07/29	07/29	07/30	05/61	03/97	07/30	07/30	07/29	07/30	07/29	07/29	07/29	06/35	07/29	
FISCHER 344 RATS FEMALE ANIMAL ID	0002001	0002002	0002003	0002004	0002005	0002006	0002007	0002008	0002009	0002010	0002011	0002012	0002013	0002014	0002015	0002016	0002017	0002018	0002019	0002020	0002021	0002022	0002023	0002024	0002025	
0 MG/KG																										**females (cont...)**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Femur, Osteopetrosis																										
Skeletal Muscle															+											
Atrophy															3											
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Mononuclear Cell																1										
Cerebrum, Necrosis								4																		
Peripheral Nerve															+											
Radial, Ulnar, Degeneration															2											
Spinal Cord															+											
RESPIRATORY SYSTEM																										
Larynx																+										
Foreign Body																X										
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	072 8	072 9	072 8	073 0	073 0	073 0	072 9	073 0	073 0	072 9	065 0	072 9	072 9	073 0	056 1	039 7	073 0	073 0	072 9	073 0	072 9	072 9	072 9	063 5	072 9
FISCHER 344 RATS FEMALE ANIMAL ID	000 201	000 202	000 203	000 204	000 205	000 206	000 207	000 208	000 209	000 210	000 211	000 212	000 213	000 214	000 215	000 216	000 217	000 218	000 219	000 220	000 221	000 222	000 223	000 224	000 225
0 MG/KG																									**females (cont...)**
Fibrosis																								2	
Inflammation									1																
Alveolar Epithelium, Hyperplasia	1				1	1			1									2							
Alveolar Epithelium, Metaplasia																								2	
Alveolus, Infiltration Cellular, Histiocyte	1	1	1						1					1			1								1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body																									
Thrombosis																									
Olfactory Epithelium, Inflammation																									
Respiratory Epithelium, Hyperplasia																									
Respiratory Epithelium, Inflammation		2																							1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis																									
Lens, Cataract					3															3					
Optic Nerve, Degeneration																									
Retina, Degeneration					4															4					
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
URINARY 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

FISCHER 344 RATS FEMALE
0 MG/KG

DAY ON TEST	072	072	072	073	073	073	072	073	073	072	065	072	072	073	056	039	073	073	072	073	072	072	072	063	072
ANIMAL ID	0002001	0002002	0002003	0002004	0002005	0002006	0002007	0002008	0002009	0002010	0002011	0002012	0002013	0002014	0002015	0002016	0002017	0002018	0002019	0002020	0002021	0002022	0002023	0002024	0002025
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accumulation, Hyaline Droplet																									
Mineralization	1	1	1		1	1	1	1	1	1	1			1	1	1	1	1	1		1	1	1	1	1
Nephropathy	1	2	1	1	1		2	1	2	1	2	2	1	1	1	1	3	1	1	1	1	1	1	1	1
Papilla, Necrosis																									
Papilla, Transitional Epithelium, Hyperplasia				3																					
Pelvis, Inflammation				2													2								
Pelvis, Transitional Epithelium, Hyperplasia																									
Renal Tubule, Hyperplasia, Atypical	3																								
Renal Tubule, Infarct																	3								
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Calculus Gross Observation				X																					
Transitional Epithelium, Hyperplasia, Adenomatous				4																					

females (cont...)

DAY ON TEST	0728	0728	0677	0688	0680	0730	0730	0730	0730	0629	0592	0730	0729	0729	0730	0659	0594	0668	0728	0730	0728	0729	0680	0672	0728	
FISCHER 344 RATS FEMALE ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	
0 MG/KG																										*** TOTALS**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parasite Metazoan							X												X		X					**5**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis																										**1 1.0**
Basophilic Focus	X	X	X	X	X		X	X	X	X	X	X	X	X	X			X	X	X	X	X	X		X	**46**
Clear Cell Focus						X													X							**6**
Degeneration, Cystic																										**1 1.0**
Eosinophilic Focus	X	X				X		X	X	X	X				X				X			X	X			**16**
Fatty Change, Focal			1																							**1 1.0**
Fatty Change, Diffuse																	1							1		**5 1.2**
Hematopoietic Cell Proliferation		1						1																		**6 1.0**
Hepatodiaphragmatic Nodule																				X				X		**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

FISCHER 344 RATS FEMALE
0 MG/KG

DAY ON TEST	0728	0728	0677	0688	0680	0730	0730	0730	0730	0629	0592	0730	0729	0729	0730	0659	0594	0668	0728	0730	0728	0729	0680	0672	0728	
ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	*** TOTALS**
Inflammation	1	1	1	1	1	1	1	1	1	1	1		1		1			1	1	1		1	1		1	**43 1.1**
Mixed Cell Focus		X							X	X																**5**
Pigmentation, Hemosiderin																										**2 1.0**
Bile Duct, Hyperplasia						2		1	2				1									1		3	1	**19 1.3**
Mesentery		+				+										+			+							**9**
Fat, Necrosis		3				1										1			3							**9 1.6**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy	1			1		1			1				1	1						3				1		**16 1.4**
Inflammation																								2		**1 2.0**
Acinus, Vacuolization Cytoplasmic																	2									**1 2.0**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy																							2			**1 2.0**
Inflammation																							2			**1 2.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation										2																**1 2.0**
Necrosis																	2									**1 2.0**
Epithelium, Hyperplasia										2																**1 2.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Tongue																										**1**
Epithelium, Hyperplasia																										**1 1.0**
Tooth																										**1**
Peridontal Tissue, Inflammation																										**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	0728	0728	0677	0688	0680	0730	0730	0730	0730	0629	0592	0730	0729	0729	0730	0659	0594	0668	0728	0730	0728	0729	0680	0672	0728	
FISCHER 344 RATS FEMALE ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	
0 MG/KG																										*** TOTALS**
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation																										**1 1.0**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	2	2	1	2	2	2	2	2	2	1	1	2	2	1	2		1	2	2	2	2	2	2	1	2	**47 1.8**
Endocardium, Hyperplasia																										**1 2.0**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy																										**1 3.0**
Degeneration, Cystic	2																							1		**5 2.0**
Hypertrophy																										**3 1.0**
Necrosis																1	2									**2 1.5**
Zona Fasciculata, Hyperplasia		1										1						3				1				**11 1.3**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																										**2 1.5**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy																	2									**1 2.0**
Inflammation, Chronic																	2									**1 2.0**
Parathyroid Gland	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**

* .. 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	072	067	068	068	073	073	073	073	062	059	073	072	072	073	065	059	066	072	073	072	072	068	067	072	
FISCHER 344 RATS FEMALE ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	*** TOTALS**
0 MG/KG																										
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage			4																							**1 4.0**
Pars Distalis, Angiectasis						3	2											3								**7 2.3**
Pars Distalis, Hyperplasia					1	2								2	4		1	1		3					3	**23 2.3**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Hyperplasia		1			1	3	1	1											2	1			1			**18 1.7**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst					4														3							**6 3.3**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Endometrium, Hyperplasia, Cystic														1												**4 1.0**

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia	2				2									2		3					2		1	3		**13 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	072	072	067	068	068	073	073	073	073	062	059	073	072	072	073	065	059	066	072	073	072	072	068	067	072	
FISCHER 344 RATS FEMALE ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	*** TOTALS**
0 MG/KG																										
Myelofibrosis		2																								**1 2.0**
Lymph Node					+																					**1**
Deep Cervical, Infiltration Cellular, Histiocyte					2																					**1 2.0**
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	**0**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy																										**2 2.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hematopoietic Cell Proliferation	1	1		1	2	1	1	1	1	1	1	1	1		2			1	1	2		1	2		1	**42 1.3**
Hyperplasia, Histiocytic																										**1 4.0**
Pigmentation, Hemosiderin	1	1	2	1	2	1	2	1	2	2	1	1	1	1	2		2	1	1	1	1	1	2		1	**44 1.4**
Capsule, Fibrosis																				2						**1 2.0**
Lymphoid Follicle, Atrophy																	3									**1 3.0**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Atrophy	3	3	3	3	2	3	3		3	4	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	**47 3.0**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**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	0728	0728	0677	0688	0680	0730	0730	0730	0730	0629	0592	0730	0729	0729	0730	0659	0594	0668	0728	0730	0728	0729	0680	0672	0728	
FISCHER 344 RATS FEMALE ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	
0 MG/KG																										*** TOTALS**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Femur, Osteopetrosis		1							1															1		**3 1.0**
Skeletal Muscle																										**1**
Atrophy																										**1 3.0**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infiltration Cellular, Mononuclear Cell																										**1 1.0**
Cerebrum, Necrosis																										**1 4.0**
Peripheral Nerve																										**1**
Radial, Ulnar, Degeneration																										**1 2.0**
Spinal Cord																										**1**
RESPIRATORY SYSTEM																										
Larynx																										**1**
Foreign Body																										**1**
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	0728	0728	0677	0688	0680	0730	0730	0730	0730	0629	0592	0730	0729	0729	0730	0659	0594	0668	0728	0730	0728	0729	0680	0672	0728	
FISCHER 344 RATS FEMALE ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	*** TOTALS**
0 MG/KG																										
Fibrosis																										**1 2.0**
Inflammation		1					1										1									**4 1.0**
Alveolar Epithelium, Hyperplasia						1		1					1		1					1						**10 1.1**
Alveolar Epithelium, Metaplasia																										**1 2.0**
Alveolus, Infiltration Cellular, Histiocyte	1	1		1					1										1		1				1	**14 1.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body						X																				**1**
Thrombosis																									1	**1 1.0**
Olfactory Epithelium, Inflammation						1																				**1 1.0**
Respiratory Epithelium, Hyperplasia																		1								**1 1.0**
Respiratory Epithelium, Inflammation						1																				**3 1.3**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Fibrosis			2																							**1 2.0**
Lens, Cataract																					4					**3 3.3**
Optic Nerve, Degeneration																					3					**1 3.0**
Retina, Degeneration																					4					**3 4.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
URINARY 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

FISCHER 344 RATS FEMALE
0 MG/KG

DAY ON TEST	072	072	067	068	068	073	073	073	073	062	059	073	072	072	073	065	059	066	072	073	072	072	068	067	072		
ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250		* TOTALS
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Accumulation, Hyaline Droplet									1																		1 1.0
Mineralization	1	1	1		1	1	1	1	1				1		1		1	1	1	1	1	1		1	1		39 1.0
Nephropathy	2	2		1		2		2	2	1		2	1	1	2		1		1	1	1	1	1		1		42 1.3
Papilla, Necrosis	2																										1 2.0
Papilla, Transitional Epithelium, Hyperplasia																											1 3.0
Pelvis, Inflammation	4																										3 2.7
Pelvis, Transitional Epithelium, Hyperplasia	2																										1 2.0
Renal Tubule, Hyperplasia, Atypical																											1 3.0
Renal Tubule, Infarct																											1 3.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Calculus Gross Observation	X																										2
Transitional Epithelium, Hyperplasia, Adenomatous	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

FISCHER 344 RATS FEMALE
1250 MG/KG
females (cont...)

DAY ON TEST	0730	0730	0586	0476	0618	0500	0729	0322	0730	0598	0730	0730	0670	0728	0729	0701	0729	0706	0526	0730	0544	0618	0640	0709	0651
ANIMAL ID	00251	00252	00253	00254	00255	00256	00257	00258	00259	00260	00261	00262	00263	00264	00265	00266	00267	00268	00269	00270	00271	00272	00273	00274	00275
ALIMENTARY SYSTEM																									
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Muscularis, Degeneration																									
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																								1	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parasite Metazoan									X		X					X	X								
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																									
Basophilic Focus	X	X			X		X		X	X	X	X	X	X	X		X			X		X	X	X	X
Clear Cell Focus																									
Eosinophilic Focus									X			X		X				X							X
Fatty Change, Focal																1									
Fatty Change, Diffuse			3			3													2		2				
Hematopoietic Cell Proliferation														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	0730	0730	0586	0476	0618	0500	0729	0322	0730	0598	0730	0730	0670	0728	0729	0701	0729	0706	0526	0730	0544	0618	0640	0709	0651
FISCHER 344 RATS FEMALE ANIMAL ID	00251	00252	00253	00254	00255	00256	00257	00258	00259	00260	00261	00262	00263	00264	00265	00266	00267	00268	00269	00270	00271	00272	00273	00274	00275
1250 MG/KG																									**females (cont...)**
Hepatodiaphragmatic Nodule																		X							
Inflammation	1	1		1	1		1	1	1	1	1	1	2	1	1		1				1	1	1	1	2
Mixed Cell Focus																								X	
Necrosis						2																			
Pigmentation, Hemosiderin																		1							
Bile Duct, Hyperplasia		1			1	1	1		1		1	1			1		2	3		1					
Centrilobular, Degeneration						3																			
Mesentery														+		+				+			+		
Fat, Necrosis														3		1				1			3		
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy		1								1	3					1	1			1					
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																1									2
Epithelium, Dysplasia			1																						
Epithelium, Hyperplasia																		1							2
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																									

* .. 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	0730	0586	0476	0618	0500	0729	0322	0730	0598	0730	0730	0670	0728	0729	0701	0729	0706	0526	0730	0544	0618	0640	0709	0651
FISCHER 344 RATS FEMALE ANIMAL ID	00251	00252	00253	00254	00255	00256	00257	00258	00259	00260	00261	00262	00263	00264	00265	00266	00267	00268	00269	00270	00271	00272	00273	00274	00275
1250 MG/KG																									**females (cont...)**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	2	2	2	1	1	1	2		2	2	1	1	2		1	2	2	1	1	1	1	1	1	1	1
Atrium, Thrombosis						2																			
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Degeneration, Cystic	1													1		1									
Hypertrophy													3					1							
Zona Fasciculata, Hyperplasia			1								1	2						1							
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia									1		2						1								
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	M	+	M	+	+	+	M	+	M	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Angiectasis			1																						
Pars Distalis, Cyst																			2						
Pars Distalis, Hyperplasia	4			1	1	1					2									3					3
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia	1	1										1			1	1	1	1							
GENERAL BODY SYSTEM																									

DAY ON TEST	0730	0730	0586	0476	0618	0500	0729	0322	0730	0598	0730	0730	0670	0728	0729	0701	0729	0706	0526	0730	0544	0618	0640	0709	0651
FISCHER 344 RATS FEMALE ANIMAL ID	0002551	0002552	0002553	0002554	0002555	0002556	0002557	0002558	0002559	0002560	0002561	0002562	0002563	0002564	0002565	0002566	0002567	0002568	0002569	0002570	0002571	0002572	0002573	0002574	0002575
1250 MG/KG																									**females (cont...)**
NONE																									
GENITAL SYSTEM																									
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation					1																				
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst													4												
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																		2							
Thrombosis																									
Cervix, Cyst, Multiple																									
Endometrium, Hyperplasia, Cystic					1										1							1	4		
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia					3		1				1		3			4	4	4		1	2				2
Lymph Node													+			+	+								+
Deep Cervical, Infiltration Cellular, Histiocyte																									2
Mediastinal, Hyperplasia, Lymphoid													2												
Lymph Node, Mandibular	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M

* .. 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	0730	0586	0476	0618	0500	0729	0322	0730	0598	0730	0730	0670	0728	0729	0701	0729	0706	0526	0730	0544	0618	0640	0709	0651
FISCHER 344 RATS FEMALE ANIMAL ID	00251	00252	00253	00254	00255	00256	00257	00258	00259	00260	00261	00262	00263	00264	00265	00266	00267	00268	00269	00270	00271	00272	00273	00274	00275
1250 MG/KG																									**females (cont...)**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation	1	1	2	1	2		1		1	1	1	1	1	1	1	1				1	3	1	1	1	2
Pigmentation, Hemosiderin	1	1		1	1	2	1	1	1	1	1	2	1	1	1	1			1	1	1	2	1	2	1
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	3	3	4	3	3		2	2	3	3	3	3	3	3	3	3		3	3		3	3	2	4	3
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																									
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epidermis, Cyst Epithelial Inclusion																									
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle																									
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	0730	0730	0586	0476	0618	0500	0729	0322	0730	0598	0730	0730	0670	0728	0729	0701	0729	0706	0526	0730	0544	0618	0640	0709	0651
FISCHER 344 RATS FEMALE ANIMAL ID	00251	00252	00253	00254	00255	00256	00257	00258	00259	00260	00261	00262	00263	00264	00265	00266	00267	00268	00269	00270	00271	00272	00273	00274	00275
1250 MG/KG																									**females (cont...)**
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gliosis																									
Infiltration Cellular, Mononuclear Cell																									
Peripheral Nerve																									
Spinal Cord																									
RESPIRATORY SYSTEM																									
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation					1											2		2					1		
Alveolar Epithelium, Hyperplasia																				1	1				
Alveolar Epithelium, Metaplasia																									
Alveolar Epithelium, Metaplasia, Squamous																							1		
Alveolus, Infiltration Cellular, Histiocyte											1					1						1			
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body																									
Nasolacrimal Duct, Inflammation												1													
Olfactory Epithelium, Hyperplasia																		1							
Respiratory Epithelium, Hyperplasia																									
Respiratory Epithelium, Inflammation										1															
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	0730	0730	0586	0476	0618	0500	0729	0322	0730	0598	0730	0730	0670	0728	0729	0701	0729	0706	0526	0730	0544	0618	0640	0709	0651
FISCHER 344 RATS FEMALE ANIMAL ID	0025	0025	0025	0025	0025	0025	0025	0025	0025	0025	0026	0026	0026	0026	0026	0026	0026	0026	0026	0027	0027	0027	0027	0027	0027
1250 MG/KG	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75

females (cont...)

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cornea, Fibrosis		2					2																		
Cornea, Inflammation																		3							
Lens, Cataract				3														2							
Retina, Degeneration			1	2																					
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infarct																									
Mineralization	1		1	1	1	1		1	1		1		1	1	1	1	1				1	1		1	1
Nephropathy	1	1			1	1	1		1		1	1	1	1	1	1	1			1	1	1		1	
Urethra																									
Inflammation																									
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage																									
Inflammation																									
Transitional Epithelium, Hyperplasia																									

DAY ON TEST	068 0	066 7	072 9	073 0	072 9	073 0	072 9	000 5	073 0	073 0	072 9	072 9	072 8	063 9	073 0	061 4	053 3	073 0	072 8	064 4	073 0	073 0	000 9	072 9	072 8		
FISCHER 344 RATS FEMALE ANIMAL ID	000 276	000 277	000 278	000 279	000 280	000 281	000 282	000 283	000 284	000 285	000 286	000 287	000 288	000 289	000 290	000 291	000 292	000 293	000 294	000 295	000 296	000 297	000 298	000 299	003 00		
1250 MG/KG																										*** TOTALS**	
ALIMENTARY SYSTEM																											
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Muscularis, Degeneration								2																		**1**	**2.0**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation																										**1**	**1.0**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Parasite Metazoan			X			X	X					X									X					**9**	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Angiectasis																									2		**1** **2.0**
Basophilic Focus	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		X	X	X	X			X	X		**38**
Clear Cell Focus									X									X							X		**3**
Eosinophilic Focus						X				X		X				X						X					**10**
Fatty Change, Focal												1															**2** **1.0**
Fatty Change, Diffuse																											**4** **2.5**
Hematopoietic Cell Proliferation												1		1	1				1		1						**6** **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

FISCHER 344 RATS FEMALE

1250 MG/KG

DAY ON TEST	0680	0667	0729	0730	0729	0730	0729	0005	0730	0730	0729	0729	0728	0639	0730	0614	0533	0730	0728	0644	0730	0730	0009	0729	0728	
ANIMAL ID	0022761	0022771	0022782	0022793	0022804	0022815	0022826	0022837	0022848	0022859	0022861	0022872	0022883	0022894	0022905	0022916	0022927	0022938	0022949	0022951	0022962	0022973	0022984	0022995	0023006	* TOTALS
Hepatodiaphragmatic Nodule												X		X								X				**4**
Inflammation		1	1	1	1	1	1		1		1	1		1		1	1	1	1	1	1	1		1	1	**38 1.1**
Mixed Cell Focus												X	X													**3**
Necrosis	1																									**2 1.5**
Pigmentation, Hemosiderin			1														1									**3 1.0**
Bile Duct, Hyperplasia	1					1			1	1		1	2			1									1	**19 1.2**
Centrilobular, Degeneration																										**1 3.0**
Mesentery			+	+						+				+												**8**
Fat, Necrosis			3	1						3				3												**8 2.3**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy			1	1					1						1									1		**11 1.2**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation																										**2 1.5**
Epithelium, Dysplasia																										**1 1.0**
Epithelium, Hyperplasia																										**2 1.5**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation				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	0680	0667	0729	0730	0729	0730	0729	0005	0730	0730	0729	0729	0728	0639	0730	0614	0533	0730	0728	0644	0730	0730	0009	0729	0728	
FISCHER 344 RATS FEMALE ANIMAL ID	0002	0002	0002	0002	0002	0002	0002	0002	0002	0002	0002	0002	0002	0002	0002	0002	0002	0002	0002	0002	0002	0002	0002	0002	0003	
1250 MG/KG	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	*** TOTALS**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy		1	1	2	1	1	2		1	1	1	2	1	2	1	1		2	2		2	2		1	1	**43 1.4**
Atrium, Thrombosis																										**1 2.0**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Degeneration, Cystic																		2		1					1	**6 1.2**
Hypertrophy						1						1							1					2		**6 1.5**
Zona Fasciculata, Hyperplasia	2		2			1									1				2			1				**10 1.4**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																										**3 1.3**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	**45**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	**49**
Pars Distalis, Angiectasis															2											**2 1.5**
Pars Distalis, Cyst																										**1 2.0**
Pars Distalis, Hyperplasia		3				2			2	3	3		2	3				2			1	1		4	1	**19 2.2**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Hyperplasia	1			1	1	1	1		1	3			1			1		1	2							**18 1.2**

GENERAL BODY 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	0680	0667	0729	0730	0729	0730	0729	0005	0730	0729	0729	0728	0639	0730	0614	0533	0730	0728	0644	0730	0730	0009	0729	0728	
FISCHER 344 RATS FEMALE ANIMAL ID	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	
1250 MG/KG	0276	0277	0278	0279	0280	0281	0282	0283	0284	0285	0286	0287	0288	0289	0290	0291	0292	0293	0294	0295	0296	0297	0298	0299	0300	*** TOTALS**
NONE																										
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation																										**1 1.0**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cyst											4						2				3	4				**5 3.4**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation																										**1 2.0**
Thrombosis						3																				**1 3.0**
Cervix, Cyst, Multiple																		3								**1 3.0**
Endometrium, Hyperplasia, Cystic						4																				**5 2.2**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia	3			1		2		2					1	3			1						1			**18 2.2**
Lymph Node													+												**5**	
Deep Cervical, Infiltration Cellular, Histiocyte																										**1 2.0**
Mediastinal, Hyperplasia, Lymphoid													2													**2 2.0**
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	**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	0680	0667	0729	0730	0729	0730	0729	0005	0730	0730	0729	0729	0728	0639	0730	0614	0533	0730	0728	0644	0730	0730	0009	0729	0728	
FISCHER 344 RATS FEMALE ANIMAL ID	00276	00277	00278	00279	00280	00281	00282	00283	00284	00285	00286	00287	00288	00289	00290	00291	00292	00293	00294	00295	00296	00297	00298	00299	00300	*** TOTALS**
1250 MG/KG																										
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hematopoietic Cell Proliferation	2	1		2	2		1		1	2	1	1	1	3	1	1	1	1	1	1	2	1		2	1	**41 1.3**
Pigmentation, Hemosiderin		1	1		1	1	2		2	1	1	2			1	1	1	1	2	1	1	1		2	1	**41 1.2**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	**49**
Atrophy	3	3	3	3	3	3	3		4	3	3	3	3	4	3		2	3	3	3	3	3		3	3	**44 3.0**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia							2							3												**2 2.5**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Epidermis, Cyst Epithelial Inclusion							4																			**1 4.0**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Skeletal Muscle																+										**1**
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	0680	0667	0729	0730	0729	0730	0729	0005	0730	0730	0729	0729	0728	0639	0730	0614	0533	0730	0728	0644	0730	0730	0009	0729	0728	
FISCHER 344 RATS FEMALE ANIMAL ID	00276	00277	00278	00279	00280	00281	00282	00283	00284	00285	00286	00287	00288	00289	00290	00291	00292	00293	00294	00295	00296	00297	00298	00299	00300	
1250 MG/KG																										*** TOTALS**
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Gliosis																		3								**1 3.0**
Infiltration Cellular, Mononuclear Cell																1										**1 1.0**
Peripheral Nerve																+										**1**
Spinal Cord																+										**1**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation					1				1						1											**7 1.3**
Alveolar Epithelium, Hyperplasia	1		1						1	1	2								1			1		1		**10 1.1**
Alveolar Epithelium, Metaplasia																		1								**1 1.0**
Alveolar Epithelium, Metaplasia, Squamous																										**1 1.0**
Alveolus, Infiltration Cellular, Histiocyte		1	1		1		1				1								1	1	1	1			1	**13 1.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body											X															**1**
Nasolacrimal Duct, Inflammation																										**1 1.0**
Olfactory Epithelium, Hyperplasia																										**1 1.0**
Respiratory Epithelium, Hyperplasia											2															**1 2.0**
Respiratory Epithelium, Inflammation											1															**2 1.0**
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	06 80	06 67	07 29	07 30	07 29	07 30	07 29	00 05	07 30	07 30	07 29	07 29	07 28	06 39	07 30	06 14	05 33	07 30	07 28	06 44	07 30	07 30	00 09	07 29	07 28		
FISCHER 344 RATS FEMALE ANIMAL ID	00 02 76	00 02 77	00 02 78	00 02 79	00 02 80	00 02 81	00 02 82	00 02 83	00 02 84	00 02 85	00 02 86	00 02 87	00 02 88	00 02 89	00 02 90	00 02 91	00 02 92	00 02 93	00 02 94	00 02 95	00 02 96	00 02 97	00 02 98	00 02 99	00 03 00		
1250 MG/KG																										*** TOTALS**	
SPECIAL SENSES SYSTEM																											
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cornea, Fibrosis																		1								**3**	**1.7**
Cornea, Inflammation																										**1**	**3.0**
Lens, Cataract																								3		**3**	**2.7**
Retina, Degeneration																						3		4		**4**	**2.5**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
URINARY SYSTEM																											
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Infarct				1																						**1**	**1.0**
Mineralization	1	1	1	1	1		1	1	1		1	1	1	1	1		1	1	1		1		1	1	1	**37**	**1.0**
Nephropathy		1	1	1	3		2		1	1	1	1	1		1		1	2	3	1	1	1		1	1	**36**	**1.2**
Urethra																+										**1**	
Inflammation																2										**1**	**2.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hemorrhage																3										**1**	**3.0**
Inflammation																1										**1**	**1.0**
Transitional Epithelium, Hyperplasia											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	049 7	073 0	072 9	069 1	072 8	072 8	073 0	053 3	064 8	072 8	072 9	073 0	073 0	072 9	070 9	066 3	072 9	072 8	072 9	064 3	073 0	001 2	072 9	072 9	050 4
FISCHER 344 RATS FEMALE ANIMAL ID	0003 01	0003 02	0003 03	0003 04	0003 05	0003 06	0003 07	0003 08	0003 09	0003 10	0003 11	0003 12	0003 13	0003 14	0003 15	0003 16	0003 17	0003 18	0003 19	0003 20	0003 21	0003 22	0003 23	0003 24	0003 25
2500 MG/KG																									**females (cont...)**
ALIMENTARY SYSTEM																									
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parasite Metazoan												X		X					X				X		
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basophilic Focus	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X
Clear Cell Focus			X													X			X						
Cytoplasmic Alteration, Focal																1									
Eosinophilic Focus					X				X							X	X		X	X					
Fatty Change, Diffuse																			1						1
Hematopoietic Cell Proliferation								1		1			1								1				
Hepatodiaphragmatic Nodule						X										X									
Inflammation	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1		1		1	1	1
Mixed Cell Focus		X													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	0497	0730	0729	0691	0728	0728	0730	0533	0648	0728	0729	0730	0730	0729	0709	0663	0729	0728	0729	0643	0730	0012	0729	0729	0504
FISCHER 344 RATS FEMALE ANIMAL ID	0003001	0003002	0003003	0003004	0003005	0003006	0003007	0003008	0003009	0003010	0003011	0003012	0003013	0003014	0003015	0003016	0003017	0003018	0003019	0003020	0003021	0003022	0003023	0003024	0003025
2500 MG/KG																									**females (cont...)**
Necrosis																									
Tension Lipidosis																									
Bile Duct, Hyperplasia		1	1		1			1		1	2					2			1	1				1	1
Centrilobular, Degeneration															2										
Oval Cell, Hyperplasia																									
Mesentery		+		+		+									+									+	
Fat, Necrosis		2		3		3									1									1	
Oral Mucosa																									
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy		1		1														1		2			1	1	1
Basophilic Focus																								1	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
CARDIOVASCULAR SYSTEM																									
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy		1	2	1	2	1	2	1	1	2	1	1	2	2	3	1	2	1	2	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	0497	0730	0729	0691	0728	0728	0730	0533	0648	0728	0729	0730	0730	0729	0709	0663	0729	0728	0729	0643	0730	0012	0729	0729	0504
FISCHER 344 RATS FEMALE ANIMAL ID	0003011	0003022	0003033	0003044	0003055	0003066	0003077	0003088	0003099	0003110	0003121	0003132	0003143	0003154	0003165	0003176	0003187	0003198	0003209	0003220	0003231	0003242	0003253	0003264	0003275
2500 MG/KG																									**females (cont...)**
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Degeneration, Cystic				1						1															
Hypertrophy																									
Zona Fasciculata, Hyperplasia												1					1							1	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia									2																
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia		2																							
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Angiectasis																									
Pars Distalis, Hyperplasia		3		2	2	1		2	1			3							2		2			2	
Pars Intermedia, Hyperplasia																									
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia	1						3			1		1					1		1				2	1	1
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	049 7	073 0	072 9	069 1	072 8	072 8	073 0	053 3	064 8	072 8	072 9	073 0	073 0	072 9	070 9	066 3	072 9	072 8	072 9	064 3	073 0	001 2	072 9	072 9	050 4
FISCHER 344 RATS FEMALE ANIMAL ID	00301	00302	00303	00304	00305	00306	00307	00308	00309	00310	00311	00312	00313	00314	00315	00316	00317	00318	00319	00320	00321	00322	00323	00324	00325
2500 MG/KG																									**females (cont...)**
GENITAL SYSTEM																									
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																									
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst								3			4		4												
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endometrium, Hyperplasia, Cystic				1																	1				
Vagina								+																	+
Inflammation																									2
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia		1				1	2	3									2		1	1				2	
Lymph Node																	+								
Deep Cervical, Infiltration Cellular, Mast Cell																									
Mediastinal, Infiltration Cellular, Histiocyte																	2								
Mediastinal, Infiltration Cellular, Plasma Cell																									
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	0497	0730	0729	0691	0728	0728	0730	0533	0648	0728	0729	0730	0730	0729	0709	0663	0729	0728	0729	0643	0730	0012	0729	0729	0504
FISCHER 344 RATS FEMALE ANIMAL ID	0003011	0003012	0003033	0003044	0003055	0003066	0003077	0003088	0003099	0003110	0003111	0003122	0003133	0003144	0003155	0003166	0003177	0003188	0003199	0003200	0003211	0003222	0003233	0003244	0003255
2500 MG/KG																									**females (cont...)**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy												2													
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation	1	1	1	1	1	1		3	1	2	1	1	2	2	2	1	2	1	2	1	1		1	1	
Hyperplasia, Histiocytic													4												
Pigmentation, Hemosiderin	1	1	1	1	1	1			2	1		1	1	1	1	1	2	1	1	2	1		1	1	2
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	3	4	4	3	3	3	3	2	3	3	3	4	4	3	3	2	3	3	3	2	3		3	3	3
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																				2					
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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	0497	0730	0729	0691	0728	0728	0730	0533	0648	0728	0729	0730	0730	0729	0709	0663	0729	0728	0729	0643	0730	0012	0729	0729	0504
FISCHER 344 RATS FEMALE ANIMAL ID	00301	00302	00303	00304	00305	00306	00307	00308	00309	00310	00311	00312	00313	00314	00315	00316	00317	00318	00319	00320	00321	00322	00323	00324	00325
2500 MG/KG																									**females (cont...)**
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
RESPIRATORY SYSTEM																									
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Congestion	2																								
Inflammation		1	1		1			1												3					
Alveolar Epithelium, Hyperplasia			1								1														
Alveolar Epithelium, Metaplasia, Squamous																				1					
Alveolus, Infiltration Cellular, Histiocyte			1			1	1			1			1					1	1				1		
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body										X															
Respiratory Epithelium, Inflammation										1															
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Synechia																									
Cornea, Fibrosis																									
Cornea, Hyperplasia, Squamous																									
Lens, Cataract			2								2														
Optic Nerve, Degeneration																									
Retina, Degeneration											3														

DAY ON TEST	0497	0730	0729	0691	0728	0728	0730	0533	0648	0728	0729	0730	0730	0729	0709	0663	0729	0728	0729	0643	0730	0012	0729	0729	0504
FISCHER 344 RATS FEMALE ANIMAL ID	00301	00302	00303	00304	00305	00306	00307	00308	00309	00310	00311	00312	00313	00314	00315	00316	00317	00318	00319	00320	00321	00322	00323	00324	00325
2500 MG/KG																									
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infarct																									
Mineralization	1		1	1	1		1	1	1	1	1	1	1	1	1		1	1	1	1	1		1	1	1
Nephropathy	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1		1	1	
Papilla, Transitional Epithelium, Hyperplasia						1																			
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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	072 728	072 725	073 730	072 729	073 730	011 919	072 729	075 886	072 728	072 729	072 729	072 729	064 646	073 730	073 730	045 959	068 680	072 729	072 729	068 680	073 730	072 729	072 729	072 729	072 728	
FISCHER 344 RATS FEMALE ANIMAL ID **2500 MG/KG**	000 326	000 327	000 328	000 329	000 330	000 331	000 332	000 333	000 334	000 335	000 336	000 337	000 338	000 339	000 340	000 341	000 342	000 343	000 344	000 345	000 346	000 347	000 348	000 349	000 350	*** TOTALS**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parasite Metazoan									X			X	X													**7**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Basophilic Focus	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	**46**
Clear Cell Focus							X				X		X	X				X								**8**
Cytoplasmic Alteration, Focal																										**1 1.0**
Eosinophilic Focus				X				X	X	X		X		X												**12**
Fatty Change, Diffuse			2																		1					**4 1.3**
Hematopoietic Cell Proliferation												1												1	1	**7 1.0**
Hepatodiaphragmatic Nodule																										**2**
Inflammation	1	1		1	1		1	1		1	1	1	2	1	1	1	1			1	1	1	1	1	1	**43 1.0**
Mixed Cell Focus																	X				X					**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	0728	0275	0730	0729	0730	0119	0729	0586	0728	0729	0729	0729	0646	0730	0730	0459	0680	0729	0729	0680	0730	0729	0729	0729	0728	
FISCHER 344 RATS FEMALE ANIMAL ID	00326	00327	00328	00329	00330	00331	00332	00333	00334	00335	00336	00337	00338	00339	00340	00341	00342	00343	00344	00345	00346	00347	00348	00349	00350	*** TOTALS**
2500 MG/KG																										
Necrosis																								1		**1 1.0**
Tension Lipidosis																								2		**1 2.0**
Bile Duct, Hyperplasia									3	1		1									1		1		2	**17 1.3**
Centrilobular, Degeneration																								1		**2 1.5**
Oval Cell, Hyperplasia					1				1																	**2 1.0**
Mesentery																						+			**6**	
Fat, Necrosis																						1				**6 1.8**
Oral Mucosa																	+								**1**	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy										2	1	1				1				1						**12 1.2**
Basophilic Focus																										**1 1.0**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	2	1	3	2	2	1	2	1	3	3	2	3	2	2	2	1	2	2	2	1	1	1	2	2	1	**48 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	072	027	073	072	073	011	072	058	072	072	072	072	064	073	073	045	068	072	072	068	073	072	072	072	072		
	8	5	0	9	0	9	9	6	8	9	9	9	6	0	0	9	0	9	9	0	0	9	9	9	8		
FISCHER 344 RATS FEMALE ANIMAL ID	00326	00327	00328	00329	00330	00331	00332	00333	00334	00335	00336	00337	00338	00339	00340	00341	00342	00343	00344	00345	00346	00347	00348	00349	00350		
2500 MG/KG																											*** TOTALS**
ENDOCRINE SYSTEM																											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Degeneration, Cystic			2																	1							**4 1.3**
Hypertrophy																	1										**1 1.0**
Zona Fasciculata, Hyperplasia				2	1					1									2								**7 1.3**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia									1	1																	**3 1.3**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia																											**1 2.0**
Parathyroid Gland	+	+	+	+	M	+	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	**46**	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Pars Distalis, Angiectasis					2			2	2				2						2						2		**6 2.0**
Pars Distalis, Hyperplasia					2		3		1		2		1		2			1		1	2						**19 1.8**
Pars Intermedia, Hyperplasia	2																										**1 2.0**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
C-cell, Hyperplasia			1	3			4		2		1	1			2		1										**17 1.6**
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	072	027	073	072	073	011	072	058	072	072	072	072	064	073	073	045	068	072	072	068	073	072	072	072	072	
FISCHER 344 RATS FEMALE ANIMAL ID	00326	00327	00328	00329	00330	00331	00332	00333	00334	00335	00336	00337	00338	00339	00340	00341	00342	00343	00344	00345	00346	00347	00348	00349	00350	*** TOTALS**
2500 MG/KG																										
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation																		1								**1 1.0**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst				1	4					3		1	2											1		**9 2.6**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Endometrium, Hyperplasia, Cystic															1											**3 1.0**
Vagina																										**2**
Inflammation																										**1 2.0**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia					1		2				1	2	2	1	2				3	2					2	**18 1.7**
Lymph Node													+				+			+						**4**
Deep Cervical, Infiltration Cellular, Mast Cell																				2						**1 2.0**
Mediastinal, Infiltration Cellular, Histiocyte																										**1 2.0**
Mediastinal, Infiltration Cellular, Plasma Cell																	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	072	027	073	072	073	011	072	058	072	072	072	072	064	073	073	045	068	072	072	068	073	072	072	072	072	
FISCHER 344 RATS FEMALE ANIMAL ID	00326	00327	00328	00329	00330	00331	00332	00333	00334	00335	00336	00337	00338	00339	00340	00341	00342	00343	00344	00345	00346	00347	00348	00349	00350	
2500 MG/KG																										*** TOTALS**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy			1																			1				**3 1.3**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hematopoietic Cell Proliferation	1	1	2	1	1		1	1		1	1	1	1	1	1	1		2		2	1		1	1	2	**42 1.3**
Hyperplasia, Histiocytic																										**1 4.0**
Pigmentation, Hemosiderin	2	1	1	1		1	1	1		1				1	1	1	2	1	1	1	1	1	1	1		**40 1.2**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy	3	2	4	3	3	2	3	2	3	4	4	3	2	3	3	3	3	3	3	3	3	3	3	3	3	**49 3.0**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																										**1 2.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
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	027	073	072	073	011	072	058	072	072	072	072	064	073	073	045	068	072	072	068	073	072	072	072	072
FISCHER 344 RATS FEMALE ANIMAL ID	00326	00327	00328	00329	00330	00331	00332	00333	00334	00335	00336	00337	00338	00339	00340	00341	00342	00343	00344	00345	00346	00347	00348	00349	00350
2500 MG/KG																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

	* TOTALS	
Brain	**50**	
RESPIRATORY SYSTEM		
Lung	**50**	
Congestion		**2 2.0**
Inflammation		**6 1.5**
Alveolar Epithelium, Hyperplasia		**6 1.3**
Alveolar Epithelium, Metaplasia, Squamous		**1 1.0**
Alveolus, Infiltration Cellular, Histiocyte		**15 1.0**
Nose	**50**	
Foreign Body		**1**
Respiratory Epithelium, Inflammation		**1 1.0**
Trachea	**50**	
SPECIAL SENSES SYSTEM		
Eye	**50**	
Synechia		**1 4.0**
Cornea, Fibrosis		**1 3.0**
Cornea, Hyperplasia, Squamous		**1 1.0**
Lens, Cataract		**4 2.0**
Optic Nerve, Degeneration		**1 2.0**
Retina, Degeneration		**2 3.0**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Congestion		2																							
Inflammation																									2
Alveolar Epithelium, Hyperplasia										2			1					2						1
Alveolar Epithelium, Metaplasia, Squamous																									
Alveolus, Infiltration Cellular, Histiocyte							1	1		1				1	1		1				1				
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Foreign Body																									
Respiratory Epithelium, Inflammation																									
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Synechia																		4							
Cornea, Fibrosis																		3							
Cornea, Hyperplasia, Squamous									1																
Lens, Cataract											2							2							
Optic Nerve, Degeneration																		2							
Retina, Degeneration											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	072	027	073	072	073	011	072	058	072	072	072	072	064	073	073	045	068	072	072	068	073	072	072	072	072	
FISCHER 344 RATS FEMALE ANIMAL ID	00326	00327	00328	00329	00330	00331	00332	00333	00334	00335	00336	00337	00338	00339	00340	00341	00342	00343	00344	00345	00346	00347	00348	00349	00350	
2500 MG/KG																										*** TOTALS**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infarct	1																									**1 1.0**
Mineralization	1	1	1	1	1	1		1		1	1	1	1	1	1		1	1		1		1	1	1	1	**41 1.0**
Nephropathy			3	1	2		1	1	1	1	1	1	1	1	1		1	1	1		1	1	1	1	1	**43 1.1**
Papilla, Transitional Epithelium, Hyperplasia																										**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	04611	00611	07300	07299	05552	06999	06663	07299	07011	06888	07288	07300	06884	07300	07300	06639	06118	07299	06244	07299	07299	07299	07300	07300	04399
FISCHER 344 RATS FEMALE ANIMAL ID	00351	00352	00353	00354	00355	00356	00357	00358	00359	00360	00361	00362	00363	00364	00365	00366	00367	00368	00369	00370	00371	00372	00373	00374	00375
5000 MG/KG																									**females (cont...)**
ALIMENTARY SYSTEM																									
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Perforation		X																							
Periesophageal Tissue, Foreign Body		X																							
Periesophageal Tissue, Inflammation		4																							
Periesophageal Tissue, Necrosis		4																							
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parasite Metazoan																	X						X		
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																				1					
Basophilic Focus	X		X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
Clear Cell Focus						X					X														
Eosinophilic Focus							X				X	X					X		X	X	X	X		X	
Fatty Change, Diffuse															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

FISCHER 344 RATS FEMALE
5000 MG/KG

females (cont...)

DAY ON TEST	0461	0061	0730	0729	0552	0699	0663	0729	0701	0688	0728	0730	0684	0730	0730	0639	0618	0729	0624	0729	0729	0729	0730	0439
ANIMAL ID	00351	00352	00353	00354	00355	00356	00357	00358	00359	00360	00361	00362	00363	00364	00365	00366	00367	00368	00369	00370	00371	00372	00373	00375
Hematopoietic Cell Proliferation																	1							
Hepatodiaphragmatic Nodule					X								X		X									X
Inflammation	1		1	1	1	1	1	1	1	1	1	1		1	2		1	1	1	1	1	1	1	1
Mixed Cell Focus												X											X	
Necrosis																								
Pigmentation, Hemosiderin																1								
Tension Lipidosis																								
Bile Duct, Hyperplasia	1							1		1		1			1								1	
Mesentery				+						+		+		+				+						
Fat, Necrosis				3						1		1		2				3						
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy									1	1			2						1					
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mineralization																								2
Epithelium, Cyst																1								
Epithelium, Hyperplasia																2								
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																								
Mineralization																								4

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	0461	0061	0730	0729	0552	0699	0663	0729	0701	0688	0728	0730	0684	0730	0730	0639	0618	0729	0624	0729	0729	0729	0730	0439
FISCHER 344 RATS FEMALE ANIMAL ID	0003511	0003512	0003513	0003514	0003515	0003516	0003517	0003518	0003519	0003520	0003521	0003522	0003523	0003524	0003525	0003526	0003527	0003528	0003529	0003530	0003531	0003532	0003533	0003534	0003535
5000 MG/KG																									**females (cont...)**
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																									
Mineralization																									4
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy			1	2	1	1	1	2	1	2	2	2	2	2			2	1	2	1	1	1	2	3	1
Mineralization																									2
Atrium, Thrombosis																									
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Degeneration, Cystic						1														1					
Hypertrophy								1																	
Necrosis													3		2										
Zona Fasciculata, Hyperplasia				1				1	1	1		1								1	1				
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia			1																						
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																									3
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage																									
Pars Distalis, Angiectasis										3	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	0461	0061	0730	0729	0552	0699	0663	0729	0701	0688	0728	0730	0684	0730	0730	0639	0618	0729	0624	0729	0729	0729	0730	0439
FISCHER 344 RATS FEMALE ANIMAL ID	0003511	0003512	0003513	0003514	0003515	0003516	0003517	0003518	0003519	0003520	0003521	0003522	0003523	0003524	0003525	0003526	0003527	0003528	0003529	0003530	0003531	0003532	0003533	0003534	0003535
5000 MG/KG																									**females (cont...)**
Pars Distalis, Cyst								2																	
Pars Distalis, Hyperplasia				1		2			4	1						1	2	3				1			
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia			2	1				1		1		1			2		1	1	1	2	1				
GENERAL BODY SYSTEM																									
NONE																									
GENITAL SYSTEM																									
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																									
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst					3	4		4									2						1		
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endometrium, Hyperplasia, Cystic																									
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia	2	2							1				2	3	1	3	2								2
Myelofibrosis																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	0461	0061	0730	0729	0552	0699	0663	0729	0701	0688	0728	0730	0684	0730	0730	0639	0618	0729	0624	0729	0729	0729	0730	0730	0439
FISCHER 344 RATS FEMALE ANIMAL ID	0035 1	0035 2	0035 3	0035 4	0035 5	0035 6	0035 7	0035 8	0035 9	0036 0	0036 1	0036 2	0036 3	0036 4	0036 5	0036 6	0036 7	0036 8	0036 9	0037 0	0037 1	0037 2	0037 3	0037 4	0037 5
5000 MG/KG																									**females (cont...)**
Lymph Node				+															+						
Mediastinal, Hyperplasia, Lymphoid				3																					
Mediastinal, Infiltration Cellular, Plasma Cell																									
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																									3
Hyperplasia, Lymphoid	2																								
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation	2		1	1			2		2	1	1	1		2	2		2	1	1	1	1	1	2	2	
Pigmentation, Hemosiderin	1		2	1	2		2	1	1	1	1	1			1	1	1	1	2	2	1	1	1	1	3
Red Pulp, Atrophy		4																							
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	3	2	3	4	2	3	2	3	3	3	3	4	3	3	3	3	3	3	3	3	4	3	3	3	4

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ulcer									2																
Epidermis, Atrophy																									4
Subcutaneous Tissue, Inflammation																							2		

DAY ON TEST	0461	0061	0730	0729	0552	0699	0663	0729	0701	0688	0728	0730	0684	0730	0730	0639	0618	0729	0624	0729	0729	0729	0730	0439	
FISCHER 344 RATS FEMALE ANIMAL ID	0035	0035	0035	0035	0035	0035	0035	0035	0035	0035	0036	0036	0036	0036	0036	0036	0036	0036	0036	0037	0037	0037	0037	0037	
5000 MG/KG	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	**females (cont...)**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Mononuclear Cell																										
RESPIRATORY SYSTEM																										
Larynx																										
Foreign Body																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion																										
Fibrosis														1												
Hemorrhage																										
Inflammation				3																	1	1				
Mineralization																									3	
Alveolar Epithelium, Hyperplasia												4							1	1	1					
Alveolar Epithelium, Metaplasia, Squamous																										
Alveolus, Infiltration Cellular, Histiocyte			1		1		1			1			1	1												
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

* .. 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	0461	0061	0730	0729	0552	0699	0663	0729	0701	0688	0728	0730	0684	0730	0730	0639	0618	0729	0624	0729	0729	0729	0730	0439
FISCHER 344 RATS FEMALE ANIMAL ID	0003511	0003512	0003513	0003514	0003515	0003516	0003517	0003518	0003519	0003520	0003521	0003522	0003523	0003524	0003525	0003526	0003527	0003528	0003529	0003530	0003531	0003532	0003533	0003534	0003535
5000 MG/KG																									**females (cont...)**
Foreign Body																						X			
Olfactory Epithelium, Inflammation									1				1												1
Respiratory Epithelium, Inflammation									1				1									2	2		1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cornea, Fibrosis																									
Cornea, Inflammation															2										
Cornea, Pigmentation, Hemosiderin																									
Lens, Cataract					2																				
Retina, Degeneration																									
Retina, Gliosis																					2				
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																									

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mineralization	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	4
Nephropathy	1	1	1	2				1	1	1	1	1		1	1	1		1		1	1	1	2	1	4
Papilla, Necrosis																									4
Pelvis, Inflammation																									4
Renal Tubule, Hyperplasia, Atypical												1													
Renal Tubule, Infarct																									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	0461	0061	0730	0729	0552	0699	0663	0729	0701	0688	0728	0730	0684	0730	0730	0639	0618	0729	0624	0729	0729	0729	0730	0439			
FISCHER 344 RATS FEMALE ANIMAL ID	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003			
5000 MG/KG	5151	5152	5153	5154	5155	5156	5157	5158	5159	5160	5161	5162	5163	5164	5165	5166	5167	5168	5169	5170	5171	5172	5173	5174	5175	**females (cont...)**	
Urinary Bladder Mineralization	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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	070 1	073 0	057 2	061 2	060 0	073 0	072 8	056 3	059 0	067 7	073 0	072 8	072 8	072 8	053 2	053 0	062 9	072 9	064 0	057 5	067 0	073 0	072 9	072 9	054 1		
FISCHER 344 RATS FEMALE ANIMAL ID	000 376	000 377	000 378	000 379	000 380	000 381	000 382	000 383	000 384	000 385	000 386	000 387	000 388	000 389	000 390	000 391	000 392	000 393	000 394	000 395	000 396	000 397	000 398	000 399	000 400	*** TOTALS**	
5000 MG/KG																											
ALIMENTARY SYSTEM																											
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Perforation																										**1**	
Periesophageal Tissue, Foreign Body																										**1**	
Periesophageal Tissue, Inflammation																										**1**	**4.0**
Periesophageal Tissue, Necrosis																										**1**	**4.0**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Parasite Metazoan						X						X														**4**	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Angiectasis																								2		**2**	**1.5**
Basophilic Focus	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	**45**	
Clear Cell Focus	X								X					X										X		**6**	
Eosinophilic Focus							X									X		X						X		**13**	
Fatty Change, Diffuse					2					2																**5**	**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	0701	0730	0572	0612	0600	0730	0728	0563	0590	0677	0730	0728	0728	0728	0532	0530	0629	0729	0640	0575	0670	0730	0729	0729	0541	
FISCHER 344 RATS FEMALE ANIMAL ID	0003761	0003777	0003788	0003799	0003800	0003811	0003822	0003833	0003844	0003855	0003866	0003877	0003888	0003899	0003901	0003912	0003923	0003934	0003945	0003956	0003967	0003978	0003999	0004000	*** TOTALS**	
5000 MG/KG																										
Hematopoietic Cell Proliferation	1												1										1		**4**	**1.0**
Hepatodiaphragmatic Nodule	X																								**5**	
Inflammation	1	1	1	1		1	1	1	1		1	1	1	1	1	1	1	2	1	1	1	2	1	1	1	**45**	**1.1**
Mixed Cell Focus											X												X			**4**	
Necrosis		1																								**1**	**1.0**
Pigmentation, Hemosiderin																		1								**2**	**1.0**
Tension Lipidosis																								1		**1**	**1.0**
Bile Duct, Hyperplasia						1											1			1						**9**	**1.0**
Mesentery				+																					**6**	
Fat, Necrosis				3																						**6**	**2.2**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Atrophy		1		1			1		1		1			1	1			1								**12**	**1.1**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Mineralization																										**1**	**2.0**
Epithelium, Cyst																										**1**	**1.0**
Epithelium, Hyperplasia											2													1		**3**	**1.7**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation																1										**1**	**1.0**
Mineralization																										**1**	**4.0**

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	0701	0730	0572	0612	0600	0730	0728	0563	0590	0677	0730	0728	0728	0728	0532	0530	0629	0729	0640	0575	0670	0730	0729	0729	0541	
FISCHER 344 RATS FEMALE ANIMAL ID	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0004	
5000 MG/KG	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	*** TOTALS**
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation	2																									**1 2.0**
Mineralization																										**1 4.0**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	1	1	1	2	1	2	2	1	1	1	3	1	2	2	1	1	1	1	1	1	1	1	2	2	1	**46 1.5**
Mineralization																										**1 2.0**
Atrium, Thrombosis										2																**1 2.0**

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Degeneration, Cystic													1						2							**4 1.3**
Hypertrophy											1															**2 1.0**
Necrosis																										**2 2.5**
Zona Fasciculata, Hyperplasia							1																			**8 1.0**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																										**1 1.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																										**1 3.0**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage																					3					**1 3.0**
Pars Distalis, Angiectasis																								2		**3 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

DAY ON TEST	0701	0730	0572	0612	0600	0730	0728	0563	0590	0677	0730	0728	0728	0728	0532	0530	0629	0729	0640	0575	0670	0730	0729	0729	0541	
FISCHER 344 RATS FEMALE ANIMAL ID	0003766	0003777	0003788	0003799	0003800	0003811	0003822	0003833	0003844	0003855	0003866	0003877	0003888	0003899	0003900	0003911	0003922	0003933	0003944	0003955	0003966	0003977	0003988	0003999	0004000	*** TOTALS**
5000 MG/KG																										
Pars Distalis, Cyst																					4					**2 3.0**
Pars Distalis, Hyperplasia	2		1				1	3	1					1	1	2	4	1	3			3				**20 1.9**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Hyperplasia	1	1	3				3									1		1				2		2		**19 1.5**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation																2										**1 2.0**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst											1				2											**7 2.4**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Endometrium, Hyperplasia, Cystic										2				1					1					2		**4 1.5**

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia	3	1	1			1			2	4							4	1						1		**18 2.0**
Myelofibrosis																										**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	0701	0730	0572	0612	0600	0730	0728	0563	0590	0677	0730	0728	0728	0728	0532	0530	0629	0729	0640	0575	0670	0730	0729	0729	0541	* TOTALS
FISCHER 344 RATS FEMALE ANIMAL ID	0003766	0003777	0003788	0003799	0003800	0003811	0003822	0003833	0003844	0003855	0003866	0003877	0003888	0003899	0003900	0003911	0003922	0003933	0003944	0003955	0003966	0003977	0003988	0003999	0004000	
5000 MG/KG																										
Lymph Node	+																						+			**4**
Mediastinal, Hyperplasia, Lymphoid																										**1 3.0**
Mediastinal, Infiltration Cellular, Plasma Cell																							2			**1 2.0**
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	**0**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy																										**1 3.0**
Hyperplasia, Lymphoid																				2						**2 2.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hematopoietic Cell Proliferation	2	1	2	1		1	1	1			2	1	2	2	1	1	3	1		1	1		1	1	2	**38 1.4**
Pigmentation, Hemosiderin	1	1	2	2		1	2	2	1		1	1	2	1	2	1		1	2	2	2	2	1	1	1	**43 1.4**
Red Pulp, Atrophy																										**1 4.0**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy	3	3	3	3	3	3	3	3	3	4	3	3	4	3	3	3	3	4	3	3	4	4	4	3	3	**50 3.1**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ulcer																										**1 2.0**
Epidermis, Atrophy																										**1 4.0**
Subcutaneous Tissue, Inflammation																										**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	0701	0730	0572	0612	0600	0730	0728	0563	0590	0677	0730	0728	0728	0728	0532	0530	0629	0729	0640	0575	0670	0730	0729	0729	0541	
FISCHER 344 RATS FEMALE ANIMAL ID	0037	0037	0037	0037	0038	0038	0038	0038	0038	0038	0038	0038	0038	0038	0039	0039	0039	0039	0039	0039	0039	0039	0039	0039	0040	
5000 MG/KG	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	*** TOTALS**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infiltration Cellular, Mononuclear Cell																								1		**1 1.0**
RESPIRATORY SYSTEM																										
Larynx			+																	+						**2**
Foreign Body			X																	X						**2**
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Congestion															2											**1 2.0**
Fibrosis																										**1 1.0**
Hemorrhage			1																							**1 1.0**
Inflammation			1								1															**5 1.4**
Mineralization																										**1 3.0**
Alveolar Epithelium, Hyperplasia	1																									**5 1.6**
Alveolar Epithelium, Metaplasia, Squamous														1												**1 1.0**
Alveolus, Infiltration Cellular, Histiocyte		1				1					1															**9 1.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**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

FISCHER 344 RATS FEMALE
5000 MG/KG

DAY ON TEST	0701	0730	0572	0612	0600	0730	0728	0563	0590	0677	0730	0728	0728	0728	0532	0530	0629	0729	0640	0575	0670	0730	0729	0729	0541	
ANIMAL ID	00376	00377	00378	00379	00380	00381	00382	00383	00384	00385	00386	00387	00388	00389	00390	00391	00392	00393	00394	00395	00396	00397	00398	00399	00400	* TOTALS
Foreign Body																								X		2
Olfactory Epithelium, Inflammation				2																						4 1.3
Respiratory Epithelium, Inflammation	1						1										2						2	2		10 1.5
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cornea, Fibrosis											2			3												2 2.5
Cornea, Inflammation														2												2 2.0
Cornea, Pigmentation, Hemosiderin											2															1 2.0
Lens, Cataract																									2	2 2.0
Retina, Degeneration																									3	1 3.0
Retina, Gliosis																										1 2.0
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Atrophy	3																									1 3.0
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Mineralization		1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		46 1.1
Nephropathy	1	1	1			1	1	1	1	1	1	1	2	1		1	1	1	1	1		1	1	2		39 1.2
Papilla, Necrosis																										1 4.0
Pelvis, Inflammation																										1 4.0
Renal Tubule, Hyperplasia, Atypical																										1 1.0
Renal Tubule, Infarct																										1 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	070 1	073 0	057 2	061 2	060 0	073 0	072 8	056 3	059 0	067 7	073 0	072 8	072 8	072 8	053 2	053 0	062 9	072 9	064 0	057 5	067 0	073 0	072 9	072 9	054 1		
FISCHER 344 RATS FEMALE ANIMAL ID	000 376	000 377	000 378	000 379	000 380	000 381	000 382	000 383	000 384	000 385	000 386	000 387	000 388	000 389	000 390	000 391	000 392	000 393	000 394	000 395	000 396	000 397	000 398	000 399	000 400		
5000 MG/KG																											
Urinary Bladder Mineralization	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	**1 2.0**

*** END OF REPORT ***