F1_Rev.2_R2

C Number:	C99023
Lock Date:	12/22/2004
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	068	073	073	066	072	068	070	061	073	073	072	047	066	052	072	060	073	072	073	072	067	073	073	068	073	
FISCHER 344 RATS MALE ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	
0 G/KG																										**males (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan																										
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan		1																								
Intestine Small, Duodenum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan																										
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																		2		2						
Basophilic Focus	X	X							X		X		X					X	X			X			X	
Clear Cell Focus			X					X			X							X	X				X		X	
Degeneration, Cystic																						1				
Eosinophilic Focus	X		X	X							X											X				
Fatty Change							2																			
Hepatodiaphragmatic Nodule																										

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FISCHER 344 RATS MALE ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025
0 G/KG																									**males (cont...)**
Inflammation, Chronic	1	1	1	1			1		1	1	1				1		1	1	1	1		2	1		1
Mixed Cell Focus	X																X	X							
Bile Duct, Hyperplasia	2	2	2	1	2	2	2		2	2	1		1		1		2		1	2		2	1		2
Centrilobular, Degeneration				2									2								2				
Hepatocyte, Hypertrophy				1																					
Mesentery	+			+						+				+		+		+						+	
Fat, Necrosis	2			3						2						2		2						2	
Oral Mucosa																		+							
Inflammation, Chronic																		1							
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Granulomatous							4																		
Necrosis							3																		
Acinus, Atrophy								1									1	2	1						1
Acinus, Hyperplasia									2												2	2	1		
Duct, Cyst									X																
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Erosion					1																				
Inflammation, Chronic Active							3							3											
Ulcer														3											
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic							2							2											1
Mineralization														2											

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FISCHER 344 RATS MALE ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	
0 G/KG																										**males (cont...)**
Ulcer																2										
Epithelium, Ectasia		1	1			1				1	1												1	1	1	
Epithelium, Hyperplasia																										
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	1	1	1	1			2	1	3	2	2	1	2		2		2	2	2	2	1	2	2		1	
Atrium, Thrombosis													2								3					
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																	2									
Vacuolization Cytoplasmic					1	2					2							1					1			
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia				2							1							2								
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia										2																
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	M	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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FISCHER 344 RATS MALE ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025
0 G/KG																									**males (cont...)**
Angiectasis		2							2																1
Cyst				X		X								X											
Pars Distalis, Hyperplasia	1				1	3										1		1					2	1	1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst														X											
C-cell, Hyperplasia	1										1			2	1		1	2					1		
Follicle, Hyperplasia												2			2										

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Vacuolization Cytoplasmic, Focal								3																	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																									
Cyst																	X								
Hyperplasia																									
Inflammation, Chronic	1	1	1	2	2	1	1	1	2	1	3	1	2	1	2	2	2	1	1			1	1		1
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia													1							1					
Inflammation, Chronic			1					2												2					
Inflammation, Chronic Active				2																					

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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
0 G/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...)																									
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Interstitial Cell, Hyperplasia													1							2					
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia							2	2					2								4			3	
Lymph Node		+			+																				
Mediastinal, 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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																									
Fibrosis						3													2						
Hematopoietic Cell Proliferation				2				2					2	1							3				
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+
Atrophy	4	3	4	3	4	3			4		4	1	2		2			3	3	3	2	2	2	4	3
INTEGUMENTARY SYSTEM																									

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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	**males (cont...)**
0 G/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	
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Skeletal Muscle																										
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hydrocephalus				3																						
Hypothalamus, Compression																										
Peripheral Nerve	+				+																					
Axon, Degeneration	3																									
Spinal Cord	+				+																					
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation	1	2	1	1		1		1		1			1		1			2		2	1	1	1		1	

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FISCHER 344 RATS MALE ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025
0 G/KG																									**males (cont...)**
Inflammation, Chronic									1																
Metaplasia, Osseous																								1	
Alveolar Epithelium, Hyperplasia			1	2						1			1								2				
Alveolus, Emphysema																									
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active		2	1						1				2							1	1		2		1
Olfactory Epithelium, Degeneration	1		1	1	1	1	1	1	1	1	1	2	1	1		1	1	2	1	2	2	1		1	2
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cataract														3											
Sclera, Metaplasia, Osseous				2					1				1				2		1				1		
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst						X																			
Hyperplasia																									
Inflammation, Chronic																									
Pigmentation, Porphyrin	2	3	2	2	2	2	3	1	2	1	3	2	2	3	2	2	2	2	2	2	2	2	2	3	2
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hydronephrosis																									

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FISCHER 344 RATS MALE ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	
0 G/KG																										**males (cont...)**
Inflammation, Suppurative, Focal																										
Inflammation, Chronic																										
Necrosis					3																					
Nephropathy	1	1	1	1		1			1	2	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	
Pigmentation				3																						
Papilla, Mineralization																										
Renal Tubule, Cyst																								X		
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	0730	0729	0729	0729	0528	0730	0730	0729	0516	0726	0674	0429	0474	0729	0729	0536	0730	0730	0684	0730	0730	0730	0729	0715	0729	
FISCHER 344 RATS MALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**	
0 G/KG																											
ALIMENTARY SYSTEM																											
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Parasite Metazoan				1																							**1 1.0**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Parasite Metazoan							2									1			1				1	1			**6 1.2**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Parasite Metazoan																						1					**1 1.0**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Angiectasis																											**2 2.0**
Basophilic Focus		X	X	X		X	X		X		X				X		X		X	X		X		X	X		**23**
Clear Cell Focus		X	X												X		X	X		X	X						**14**
Degeneration, Cystic																											**1 1.0**
Eosinophilic Focus													X														**6**
Fatty Change								1	1	3																	**4 1.8**
Hepatodiaphragmatic Nodule																					X		X		X		**3**

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FISCHER 344 RATS MALE

0 G/KG

DAY ON TEST	730	729	729	729	528	730	730	729	516	726	674	429	474	729	729	536	730	730	684	730	730	730	729	715	729	
ANIMAL ID	026	027	028	029	030	031	032	033	034	035	036	037	038	039	040	041	042	043	044	045	046	047	048	049	050	* TOTALS
Inflammation, Chronic		1	1	1		1	1	2			1	1	1		1		1	2	1	2	1	1	1		1	34 1.1
Mixed Cell Focus							X											X					X			6
Bile Duct, Hyperplasia	2	2	2	2	2	2	2	2		2	2	1		2	2		2	2	1	1	1		1	2	2	39 1.7
Centrilobular, Degeneration																										3 2.0
Hepatocyte, Hypertrophy																										1 1.0
Mesentery						+				+				+		+	+		+							13
Fat, Necrosis						2				2				2		2	2		2							12 2.1
Oral Mucosa									+																	2
Inflammation, Chronic																										1 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Inflammation, Granulomatous																										1 4.0
Necrosis																										1 3.0
Acinus, Atrophy		2							1		1	1														9 1.2
Acinus, Hyperplasia							2	2									1					2				8 1.8
Duct, Cyst																						X				2
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Erosion																										1 1.0
Inflammation, Chronic Active									2			1				3										5 2.4
Ulcer																3										2 3.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Inflammation, Chronic																										3 1.7
Mineralization																										1 2.0

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DAY ON TEST	0730	0729	0729	0729	0528	0730	0730	0729	0516	0726	0674	0429	0474	0729	0729	0536	0730	0730	0684	0730	0730	0730	0729	0715	0729	
FISCHER 344 RATS MALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**
0 G/KG																										
Ulcer																										**1 2.0**
Epithelium, Ectasia							1	1			1						1						1		1	**14 1.0**
Epithelium, Hyperplasia																	2									**1 2.0**
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	2	1	1		1	2	2	1	1	2	1	1	1		2		1	2		1		1	2		1	**39 1.5**
Atrium, Thrombosis																										**2 2.5**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia							1																		1	**3 1.3**
Vacuolization Cytoplasmic		1		1				1		1				1			1							1	1	**13 1.2**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia			1		1	2					2			1					1							**9 1.4**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																										**1 2.0**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	M	+	+	+	+	M	**45**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	0730	0729	0729	0729	0528	0730	0730	0729	0516	0726	0674	0429	0474	0729	0729	0536	0730	0730	0684	0730	0730	0730	0729	0715	0729	
FISCHER 344 RATS MALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**
0 G/KG																										
Angiectasis						2				1											1		1		2	**8 1.5**
Cyst			X						X													X				**6**
Pars Distalis, Hyperplasia								2					1	4	1				2		1			1		**15 1.5**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																										**1**
C-cell, Hyperplasia	2			1			2			3			1		1		1	1	1		1	1		2	1	**20 1.4**
Follicle, Hyperplasia	2																						2			**4 2.0**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Vacuolization Cytoplasmic, Focal																										**1 3.0**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy											2															**1 2.0**
Cyst																										**1**
Hyperplasia				2																						**1 2.0**
Inflammation, Chronic	2		2	2		1	2	2		1	3		3	1	2	1	1	1		2	2	1	2	2	2	**42 1.6**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia		1	1																		1	1		1		**7 1.0**
Inflammation, Chronic					2																					**4 1.8**
Inflammation, Chronic Active																										**1 2.0**

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FISCHER 344 RATS MALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**	
0 G/KG																											
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Interstitial Cell, Hyperplasia					2	2							2												1		**6 1.7**
HEMATOPOIETIC SYSTEM																											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia											3	3							3								**8 2.8**
Lymph Node														+												**3**	
Mediastinal, 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**	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Atrophy					2																						**1 2.0**
Fibrosis																3											**3 2.7**
Hematopoietic Cell Proliferation				1						3		2															**8 2.0**
Thymus	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	**47**	
Atrophy	3	2			4	2	3	3	3	3		3	1	3	4	4	3	3		2	3	3	3	1	4		**40 2.9**
INTEGUMENTARY SYSTEM																											

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DAY ON TEST	0730	0729	0729	0729	0528	0730	0730	0729	0516	0726	0674	0429	0474	0729	0729	0536	0730	0730	0684	0730	0730	0730	0729	0715	0729		
FISCHER 344 RATS MALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**	
0 G/KG																											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
MUSCULOSKELETAL SYSTEM																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Skeletal Muscle																								+		**1**	
NERVOUS SYSTEM																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hydrocephalus										2			3														**3 2.7**
Hypothalamus, Compression										3																	**1 3.0**
Peripheral Nerve																										**2**	
Axon, Degeneration																											**1 3.0**
Spinal Cord																										**2**	
RESPIRATORY SYSTEM																											
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation	1	2	1	1		1		1	1	1	1	1	1		1		1		3		1	1	1				**32 1.2**

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FISCHER 344 RATS MALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**
0 G/KG																										
Inflammation, Chronic																										**1 1.0**
Metaplasia, Osseous					1			1									1								1	**5 1.0**
Alveolar Epithelium, Hyperplasia				1																		1	1	2		**9 1.3**
Alveolus, Emphysema																			3							**1 3.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active		1		2				2		2				1											2	**14 1.5**
Olfactory Epithelium, Degeneration		1	1	1	1	1	1	1	1	1	1		1	1	2	2	1	1	2	1	1	1	1	1	1	**45 1.2**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cataract																										**1 3.0**
Sclera, Metaplasia, Osseous			2	2	1	2	2	2				1		2	2		1	1	1	1	1	1		2	2	**23 1.5**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																										**1**
Hyperplasia																		1								**1 1.0**
Inflammation, Chronic							1	1																		**2 1.0**
Pigmentation, Porphyrin	2	1	1	2	3	3	2	2	2	1	2	1	2	1	2	2	1	1	2	1	2	2	2	1	2	**50 1.9**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hydronephrosis							3																			**1 3.0**

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FISCHER 344 RATS MALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**
0 G/KG																										
Inflammation, Suppurative, Focal				1																						**1 1.0**
Inflammation, Chronic				2																						**1 2.0**
Necrosis																										**1 3.0**
Nephropathy		1	1	1	1	2	1	1	2	2	1	1	1	1	1		1	1	2	1	1	1	1	1	2	**45 1.2**
Pigmentation																										**1 3.0**
Papilla, Mineralization											1															**1 1.0**
Renal Tubule, Cyst																										**1**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	072	072	072	072	072	073	055	072	072	072	072	061	073	072	071	072	071	073	073	073	026	073	054	072	073	
FISCHER 344 RATS MALE ANIMAL ID	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	
0.25 G/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	**males (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Perforation																					4					
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan	1																									
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan				1											1											
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis								2																		
Basophilic Focus	X			X					X										X							
Clear Cell Focus	X	X		X	X	X		X	X										X	X		X				
Degeneration, Cystic																										
Eosinophilic Focus				X																X						
Fatty Change											1								2		1					
Hepatodiaphragmatic Nodule																										

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DAY ON TEST	072	072	072	072	072	073	055	072	072	072	072	061	073	072	071	072	071	073	073	073	026	073	054	072	073	
FISCHER 344 RATS MALE ANIMAL ID	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	**males (cont...)**
0.25 G/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	
Inflammation, Chronic	1	1	2	1	1	1		1	1	1	1				1	1		1	1	1		1			1	
Mixed Cell Focus																										
Necrosis	1													2												
Regeneration												2														
Bile Duct, Hyperplasia	1	2	2	2	2	2		2	1	1	2		3	2	2	2	2	2	2	2	1	2		3	2	
Centrilobular, Degeneration																										
Serosa, Hyperplasia																										
Mesentery	+									+									+						+	
Fat, Necrosis	2									2									2						2	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Acinus, Atrophy				1		2			1									1		1	1					
Acinus, Hyperplasia										1														2		
Duct, Cyst					X											X										
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active															1											
Ulcer															2											
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic					1														1						1	
Ulcer														3												
Epithelium, Ectasia	1		1		1	1		1						2		1		1	2					1		
Epithelium, Hyperplasia																2			1							

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DAY ON TEST	072	072	072	072	072	073	055	072	072	072	072	061	073	072	071	072	071	073	073	073	026	073	054	072	073	
FISCHER 344 RATS MALE ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	
0.25 G/KG																										**males (cont...)**
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy		1	2	2	2	2		2		1	2	1	2	2		2	2	1	2	2	2	2	2	2	2	
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										
Necrosis														2												
Vacuolization Cytoplasmic		1								1	1					1	1							1		
Capsule, Hyperplasia						1																				
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia			2										2							2						
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parathyroid Gland	+	M	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	
Angiectasis			2		2							2	2				2		2							
Cyst														X		X		X				X				
Pars Distalis, Hyperplasia				1		1				1								1						1		

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DAY ON TEST	072	072	072	072	072	073	055	072	072	072	072	061	073	072	071	072	071	073	073	073	026	073	054	072	073	
	9	9	9	9	9	0	0	9	9	9	6	1	0	6	7	9	3	0	0	0	1	0	4	9	0	
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	**males (cont...)**
0.25 G/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	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia					2			2	2			1		1		1		2	2			1		1	1	
Follicle, Hyperplasia													3													

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia										2																
Inflammation, Chronic	1	2	2	2	1	2		2	1	2	1		2	2	1	2	2	1	2	1		2	1	1	1	
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia				1																						
Inflammation, Chronic																										
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Interstitial Cell, Hyperplasia																										

HEMATOPOIETIC SYSTEM

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DAY ON TEST	072	072	072	072	072	073	055	072	072	072	072	061	073	072	071	072	071	073	073	073	026	073	054	072	073
FISCHER 344 RATS MALE ANIMAL ID	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
0.25 G/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
males (cont...)																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia												3		2										3	3
Lymph Node			+						+															+	
Mediastinal, Hemorrhage																									
Mediastinal, Hyperplasia, Lymphoid			3						3																
Mediastinal, Pigmentation, Hemosiderin																									
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																	2				3				
Hematopoietic Cell Proliferation									1			2													1
Necrosis, Focal																								2	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	3	2	3	2	3		3	3	3		4	4	4	4	4	1	4		4	2	3	4		4	4
Inflammation, Suppurative																					3				

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperkeratosis																									
Subcutaneous Tissue, Inflammation,																									

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DAY ON TEST	072	072	072	072	072	073	055	072	072	072	072	061	073	072	071	072	071	073	073	073	026	073	054	072	073	
FISCHER 344 RATS MALE ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	
0.25 G/KG																										**males (cont...)**
Granulomatous																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Skeletal Muscle																										
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cerebrum, Compression															3											
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation	1	1	1					1	1	1	1	1			1	1		1	1	1		1			1	
Alveolar Epithelium, Hyperplasia				1														1				3				
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active	1	1		1	1								1	2	2	1				2	1	2				
Olfactory Epithelium, Degeneration	1	2	1	1	2	2		1	1	1	1	3	2	1	2	1	2	2	1	1	1	1	1	1	1	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Peritracheal Tissue, Inflammation, Chronic																					3					

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DAY ON TEST	072	072	072	072	072	073	055	072	072	072	072	061	073	072	071	072	071	073	073	073	026	073	054	072	073	
	9	9	9	9	9	0	0	9	9	9	6	1	0	6	7	9	3	0	0	0	1	0	4	9	0	
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	**males (cont...)**
0.25 G/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	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Anterior Chamber, Inflammation, Suppurative															3											
Cornea, Inflammation, Suppurative											3															
Retina, Degeneration																										
Sclera, Metaplasia, Osseous				2	1	2			2	1	1	2	1	2		2	2		1						1	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	2																									
Hyperplasia																				2	1					
Inflammation, Chronic																										
Pigmentation, Porphyrin	2	2	2	2	2	1	4	2	2	1	2	1	1	3	3	2	3	2	2	3	2	2	4	2	2	
Zymbal's Gland																										
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative, Focal		1				1		1	1							1			1	1		1		1	1	
Mineralization												1														
Necrosis																										
Nephropathy	2	2	2	2	2	2		2	3	2	2	1	1	2	2	2	2	2	2	3	1	2	1	2	2	
Papilla, Mineralization		3	3	3	3	2	1	3	2	3	2	3	1	2	2	1	1	3	2	2		2	2	3	1	
Renal Tubule, Cyst				X					X																	
Renal Tubule, Hyperplasia, Oncocytic	1									1																
Renal Tubule, Nephrosis	1	1	1	3	2	2	1	1	2		3	1	1	3	3	2		1	1	3		1		2		

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DAY ON TEST	072	072	072	072	072	073	055	072	072	072	072	061	073	072	071	072	071	073	073	073	026	073	054	072	073	
FISCHER 344 RATS MALE ANIMAL ID **0.25 G/KG**	0051	0052	0053	0054	0055	0056	0057	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	0070	0071	0072	0073	0074	0075	**males (cont...)**
Transitional Epithelium, Hyperplasia						2			2	1		1		2	1			2		1				1	1	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	072 9	072 9	073 0	070 4	065 2	057 8	073 0	068 4	062 1	073 0	072 9	072 9	072 9	073 0	073 0	073 1	072 9	073 0	073 0	048 6	072 9	072 9	072 9	072 9	072 9	
FISCHER 344 RATS MALE ANIMAL ID	000 76	000 77	000 78	000 79	000 80	000 81	000 82	000 83	000 84	000 85	000 86	000 87	000 88	000 89	000 90	000 91	000 92	000 93	000 94	000 95	000 96	000 97	000 98	000 99	001 00	*** TOTALS**
0.25 G/KG																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Perforation																										**1 4.0**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parasite Metazoan																										**1 1.0**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parasite Metazoan		1											1													**4 1.0**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis	1						1				1															**4 1.3**
Basophilic Focus	X	X								X					X		X					X		X	X	**12**
Clear Cell Focus	X	X	X				X					X			X		X							X	X	**19**
Degeneration, Cystic													1													**1 1.0**
Eosinophilic Focus							X				X													X		**5**
Fatty Change																			2							**4 1.5**
Hepatodiaphragmatic Nodule	X			X																X						**3**

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FISCHER 344 RATS MALE

0.25 G/KG

DAY ON TEST	0729	0729	0730	0704	0652	0578	0730	0684	0621	0730	0729	0729	0729	0730	0730	0731	0729	0730	0730	0486	0729	0729	0729	0729	0729	
ANIMAL ID	0076	0077	0078	0079	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	0090	0091	0092	0093	0094	0095	0096	0097	0098	0099	0100	* TOTALS
Inflammation, Chronic	1	1	1		1		1			1	1	1	1		1	1	1	1	2		1	1	1	1	1	**36 1.1**
Mixed Cell Focus					X																					**1**
Necrosis				2															2							**4 1.8**
Regeneration																										**1 2.0**
Bile Duct, Hyperplasia	2	2	2		1		2			2	2	2	3	2	2	2	3	2	2		1	1	2	1	2	**42 1.9**
Centrilobular, Degeneration						2																				**1 2.0**
Serosa, Hyperplasia					2																					**1 2.0**
Mesentery		+			+									+		+										**8**
Fat, Necrosis		2												2		2										**7 2.0**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Acinus, Atrophy	1		1	1						1	2	1		2								1				**14 1.2**
Acinus, Hyperplasia	2										1		2						2					1		**7 1.6**
Duct, Cyst											X															**3**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																							X			**1**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active				3	2																					**3 2.0**
Ulcer				3																						**2 2.5**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic			1		2			1					1													**7 1.1**
Ulcer					2																					**2 2.5**
Epithelium, Ectasia		1	1	2	1		1	1			1	1	1		1	1	1	1	1		1		1		1	**27 1.1**
Epithelium, Hyperplasia																										**2 1.5**

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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	
0.25 G/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	100	*** TOTALS**
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy		2		2		1	1	2	2	1	1	1	2	2	2	1	1	1	2	2	2	1	1	1	1	**43 1.6**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia							1			2		2										1	1			**5 1.4**
Necrosis																				2						**2 2.0**
Vacuolization Cytoplasmic			1	1						1	1	1	1						2			1	1		1	**16 1.1**
Capsule, Hyperplasia																										**1 1.0**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia							1	1						2	2	1								2		**9 1.7**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**47**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Angiectasis				2																					2	**8 2.0**
Cyst											X		X			X	X	X								**9**
Pars Distalis, Hyperplasia				2						1	1		2				2							1		**11 1.3**

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FISCHER 344 RATS MALE ANIMAL ID	0076	0077	0078	0079	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	0090	0091	0092	0093	0094	0095	0096	0097	0098	0099	0100	*** TOTALS**	
0.25 G/KG																											
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
C-cell, Hyperplasia		1		3		2							1			2			1		1						**18 1.5**
Follicle, Hyperplasia																	3										**2 3.0**
GENERAL BODY SYSTEM																											
NONE																											
GENITAL SYSTEM																											
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia								2																			**2 2.0**
Inflammation, Chronic	2	1	2	2	1		2	2	1	2	1	2	2	1	1	2	2	2	2		1	1		1	2		**44 1.6**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia								2						2													**3 1.7**
Inflammation, Chronic	1	2		2	1												2						1				**6 1.5**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Interstitial Cell, Hyperplasia		2																			1						**2 1.5**
HEMATOPOIETIC SYSTEM																											

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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	
0.25 G/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	100	*** TOTALS**
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia					2																					**5 2.6**
Lymph Node	+							+																		**5**
Mediastinal, Hemorrhage	2																									**1 2.0**
Mediastinal, Hyperplasia, Lymphoid																										**2 3.0**
Mediastinal, Pigmentation, Hemosiderin	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**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy																										**2 2.5**
Hematopoietic Cell Proliferation						3										1			2							**6 1.7**
Necrosis, Focal																										**1 2.0**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy	4	4		4	4	4	3	4	2		4	3	3	3	4	4	1	4	4	3	4		3	4		**42 3.4**
Inflammation, Suppurative																										**1 3.0**

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperkeratosis														1												**1 1.0**
Subcutaneous Tissue, Inflammation,																							2			**1 2.0**

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

DAY ON TEST	072	072	073	070	065	057	073	068	062	073	072	072	073	073	073	072	073	073	048	072	072	072	072	072		
FISCHER 344 RATS MALE ANIMAL ID	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000		
0.25 G/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	100	*** TOTALS**
Granulomatous																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Skeletal Muscle																				+						**1**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cerebrum, Compression																										**1 3.0**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation	1	1	1			1	1			1	1	1	1		1	1	1	1	1		1	1	1	1		**33 1.0**
Alveolar Epithelium, Hyperplasia		1	1				4									1			3			2				**9 1.9**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active	1		1		1										1		1	1	1				1			**19 1.2**
Olfactory Epithelium, Degeneration	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	**49 1.2**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Peritracheal Tissue, Inflammation, Chronic																										**1 3.0**

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DAY ON TEST	072	072	073	070	065	057	073	068	062	073	072	072	073	073	073	073	072	073	073	048	072	072	072	072	072	
FISCHER 344 RATS MALE ANIMAL ID	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	
0.25 G/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**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Anterior Chamber, Inflammation, Suppurative																										**1 3.0**
Cornea, Inflammation, Suppurative																										**1 3.0**
Retina, Degeneration																		3								**1 3.0**
Sclera, Metaplasia, Osseous		1			1	1		1	1	2			1	2	1			1	2						1	**25 1.4**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy																										**1 2.0**
Hyperplasia																										**2 1.5**
Inflammation, Chronic																					1					**1 1.0**
Pigmentation, Porphyrin	2	1	2	3	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	1	3	2	**50 2.1**
Zymbal's Gland		+																								**1**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Suppurative, Focal		1	1			1	1			2	1		1				1	1			1			1	1	**22 1.0**
Mineralization																										**1 1.0**
Necrosis						2			3																	**2 2.5**
Nephropathy	2	2	3	4	1	2	2	2	1	3	2	2	2	2	2	2	2	2	2		2	2	2	2	2	**48 2.0**
Papilla, Mineralization	3	3	1	2	1	3	1	3	3	2	2	1	3	1	3	2	3	2	1	1	1	1	2	3	2	**48 2.1**
Renal Tubule, Cyst			X																							**3**
Renal Tubule, Hyperplasia, Oncocytic																								3		**3 1.7**
Renal Tubule, Nephrosis	2	2	4	4		1	2	1	1	3	1	3	2		1	2	1	2	1		1	2	1	2	2	**42 1.8**

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2) Mild 4) Marked

DAY ON TEST	0729	0729	0730	0704	0652	0578	0730	0684	0621	0730	0729	0729	0729	0730	0730	0731	0729	0730	0730	0486	0729	0729	0729	0729	0729	
FISCHER 344 RATS MALE ANIMAL ID	0076	0077	0078	0079	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	0090	0091	0092	0093	0094	0095	0096	0097	0098	0099	0100	*** TOTALS**
0.25 G/KG																										
Transitional Epithelium, Hyperplasia			2	2			2	1		2	1			1	1								1	1	1	**21 1.4**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	066	073	073	068	066	073	072	073	073	009	072	054	073	073	072	067	073	073	071	056	073	073	070	072	070	
FISCHER 344 RATS MALE ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	
0.5 G/KG																										**males (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic										2																
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic																							2			
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic																										
Parasite Metazoan																								2		
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic																										
Parasite Metazoan																		1						1		
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis		1				2									2											
Basophilic Focus						X									X											
Clear Cell Focus		X				X												X			X					
Eosinophilic Focus															X											

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FISCHER 344 RATS MALE
0.5 G/KG

males (cont...)

DAY ON TEST	066	073	073	068	066	073	072	073	073	009	072	054	073	073	072	067	073	073	071	056	073	073	070	072	070
ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025
Fatty Change												3													
Hepatodiaphragmatic Nodule																									
Inflammation, Chronic		1	1			1			1		1		1					1		1	1	1		1	
Necrosis					3															2					
Bile Duct, Hyperplasia	2	2	1	2	3		3	2	2		2	3	2	3	2	4	1	1		1		2	2	2	2
Centrilobular, Degeneration																									
Serosa, Inflammation, Suppurative																									
Mesentery																						+			+
Fat, Necrosis																						2			3
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Atrophy			2								2		1			1	1							2	
Acinus, Hyperplasia																									2
Artery, Inflammation, Chronic																									
Duct, Cyst								X															X		
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis																									
Inflammation, Chronic Active				2				3											3			2	3		
Ulcer				2															3				3		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic																							2		
Mineralization																									
Ulcer																							3		
Epithelium, Ectasia		1	1		1		1	1	1		1	1		1	1	1	1	1			1			1	1

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DAY ON TEST	066	073	073	068	066	073	072	073	073	000	072	054	073	073	072	067	073	073	071	056	073	073	070	072	070	
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	
0.5 G/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...)**
Epithelium, Hyperplasia					2																					
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy		1	2	2	1	1		2		1	2		2	1	2		1	1	2	1	1	1	2	1		
Atrium, Thrombosis					4																					
Myocardium, Mineralization																										
Valve, Thrombosis																									2	
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia			2			1		2			2														2	
Vacuolization Cytoplasmic			1					1			1				2			1				2			2	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia	2			1			2				3				2		2						1			
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	M	+	+	+	+	+	+	+	
Hyperplasia																							2			
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	066	073	073	068	066	073	072	073	073	009	072	054	073	073	072	067	073	073	071	056	073	073	070	072	070
FISCHER 344 RATS MALE ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025
0.5 G/KG																									**males (cont...)**
Angiectasis							2							2									2		1
Cyst				X																					
Pars Distalis, Hyperplasia			2								1				2										4
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst								X																	
C-cell, Hyperplasia		1	1	1			1									2			2			1	1	1	2
Follicle, Hyperplasia														2											

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granuloma Sperm																									
Inflammation, Chronic					2																				
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic	2	2	1	1	2	2	2	2	2			2	1	2		2	2	1	2	2	1	1	2		1
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia														2			2								
Inflammation, Chronic												1		1		2									
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	066	073	073	068	066	073	072	073	073	009	072	054	073	073	072	067	073	073	071	056	073	073	070	072	070	
FISCHER 344 RATS MALE ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	
0.5 G/KG																										**males (cont...)**
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Interstitial Cell, Hyperplasia															1						1					
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia					2					2			2							2						
Lymph Node							+																			
Mediastinal, Hemorrhage																										
Mediastinal, Pigmentation, Hemosiderin																										
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																			2				1			
Congestion					2							2														
Hematopoietic Cell Proliferation																				2						
Infarct																									3	
Necrosis, Focal					3																					
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	
Atrophy		2	3	4	2	2		3	3		4	4	4	4		4	2	2	4	3	3	4	4	3	4	
Epithelial Cell, Hyperplasia																										

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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	
0.5 G/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...)**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	
Cyst														X												
Inflammation, Chronic														2												
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperkeratosis																										
Inflammation, Chronic																										
Ulcer																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Skeletal Muscle																										
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Neuron, Necrosis, Focal																										
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	066	073	073	068	066	073	072	073	073	009	072	054	073	073	072	067	073	073	071	056	073	073	070	072	070
FISCHER 344 RATS MALE 0.5 G/KG ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025
Inflammation			1	1					1					1		2		1	1		1	1			
Metaplasia, Osseous				1																					
Alveolar Epithelium, Hyperplasia					1											2									
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Dysplasia																									
Inflammation, Chronic Active	1	2	1		1	1	2		1		1	1			2			1			2			1	1
Ulcer		1																							
Olfactory Epithelium, Degeneration	2	1	1	2	1	2	3	2	1		2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sclera, Metaplasia, Osseous	1	2		1	2									2	1	2	2	2	1	1	1				1
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pigmentation, Porphyrin	1	2	2	3	3	2	2	3	2	1	1	2	2	2	2	2	2	2	4	2	3	2	2	2	2
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Suppurative, Focal		1	2			1			1					1	1			1			1			1	1
Metaplasia, Osseous									2																
Necrosis					3															3					
Nephropathy	2	3	2	2	2	3	2	4	2		2	2	2	3	2	2	2	2	4	1	3	4	4	2	2

males (cont...)

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DAY ON TEST	066	073	073	068	066	073	072	073	073	009	072	054	073	073	072	067	073	073	071	056	073	073	070	072	070
FISCHER 344 RATS MALE ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025
0.5 G/KG																									**males (cont...)**
Papilla, Mineralization		2	2	2	1		1	2	2		3	1	3	2	2	3	1	2	3	4		2		1	1
Renal Tubule, Cyst																								X	
Renal Tubule, Hyperplasia						1												1							
Renal Tubule, Nephrosis	2	3	3	2	1	2	1	4	3		3	1	3	3	2	2	1	3	4	2	2	4	3	2	3
Transitional Epithelium, Hyperplasia								2											1			2	1		2
Vein, Thrombosis					3			2														2			
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

DAY ON TEST	051	066	074	070	066	060	068	073	044	072	073	073	072	072	002	073	071	066	073	073	073	064	073	072	048	
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	
0.5 G/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**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic																										**1 2.0**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic																										**1 2.0**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic																								2		**1 2.0**
Parasite Metazoan																							1			**2 1.5**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic																								2		**1 2.0**
Parasite Metazoan			2																							**3 1.3**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis																										**3 1.7**
Basophilic Focus			X								X										X					**5**
Clear Cell Focus												X		X						X	X		X			**9**
Eosinophilic Focus										X										X						**3**

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FISCHER 344 RATS MALE

0.5 G/KG

DAY ON TEST	051	066	067	073	066	060	068	073	044	072	073	073	072	072	002	073	071	066	073	073	073	064	073	072	048	
ANIMAL ID	026	027	028	029	030	031	032	033	034	035	036	037	038	039	040	041	042	043	044	045	046	047	048	049	050	* TOTALS
Fatty Change																				1						2 2.0
Hepatodiaphragmatic Nodule								X											X							2
Inflammation, Chronic										1	1			1		1				1	2		1		1	19 1.1
Necrosis		2																				1				4 2.0
Bile Duct, Hyperplasia		1	2	1		1	2	1	2	1	2	2	3			2	1		3	3	2	1	1			39 1.9
Centrilobular, Degeneration				2																						1 2.0
Serosa, Inflammation, Suppurative	3																									1 3.0
Mesentery		+				+		+																		5
Fat, Necrosis						3		3																		4 2.8
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Acinus, Atrophy					2		2			2								1		2						11 1.6
Acinus, Hyperplasia	2																									2 2.0
Artery, Inflammation, Chronic								2																		1 2.0
Duct, Cyst	X							X													X					5
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Fibrosis																								4		1 4.0
Inflammation, Chronic Active	3				2	2											3	1					3	3		12 2.5
Ulcer																							3	3		5 2.8
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Inflammation, Chronic																						1				2 1.5
Mineralization					1																					1 1.0
Ulcer																										1 3.0
Epithelium, Ectasia	1	1		1			1			1	1	1	1	1		1	1		1	1	1	1	2	2		33 1.1

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DAY ON TEST	051	066	067	073	066	060	068	073	044	072	073	073	072	072	002	073	071	066	073	073	073	064	073	072	048	
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	
0.5 G/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**
Epithelium, Hyperplasia																										**1 2.0**
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	1	2	2	2	2	2	1	2	2		1	2	2	2		2	2	2	2	2	2	2	2	2	1	**42 1.6**
Atrium, Thrombosis							2																			**2 3.0**
Myocardium, Mineralization					3																					**1 3.0**
Valve, Thrombosis							2																			**2 2.0**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia			1	1									2											1		**9 1.6**
Vacuolization Cytoplasmic			1		2			1				1	2	1				1						2		**15 1.4**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia	2				2			2				1	2						2							**13 1.8**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Hyperplasia																										**1 2.0**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	051	066	074	070	066	060	068	073	044	072	073	073	072	072	002	073	071	066	073	073	073	064	073	072	048	
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	
0.5 G/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**
Angiectasis													2					1			1	1	3			**9 1.7**
Cyst													X							X			X	X		**5**
Pars Distalis, Hyperplasia					3								2	1			1		1		1					**10 1.8**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																										**1**
C-cell, Hyperplasia					2							1		1		1	2									**15 1.3**
Follicle, Hyperplasia	1																			2						**3 1.7**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Granuloma Sperm																					1					**1 1.0**
Inflammation, Chronic																										**1 2.0**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic	1	1		2	3		2	2	1	2	2	2	2	1		2	1	1	2	2	2	2	2	1	2	**43 1.7**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia						2		1										1			1					**6 1.5**
Inflammation, Chronic	2				2				2											1			1			**8 1.5**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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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		
0.5 G/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**	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Interstitial Cell, Hyperplasia																											**2 1.0**
HEMATOPOIETIC SYSTEM																											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia		2					2								1												**7 1.9**
Lymph Node							+	+					+						+				+			**6**	
Mediastinal, Hemorrhage								2																			**1 2.0**
Mediastinal, Pigmentation, Hemosiderin																							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	**1**	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Atrophy	3				1												2			1							**6 1.7**
Congestion																											**2 2.0**
Hematopoietic Cell Proliferation		2	2																						2		**4 2.0**
Infarct																											**1 3.0**
Necrosis, Focal																											**1 3.0**
Thymus	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**	
Atrophy	4	4	4	3		4	4	3	3	3	3	4	3	4		4	3	3	3	4	3	4	4	4			**43 3.4**
Epithelial Cell, Hyperplasia										3																	**1 3.0**

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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		
0.5 G/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**	
INTEGUMENTARY SYSTEM																											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Cyst																										**1**	
Inflammation, Chronic																										**1**	**2.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperkeratosis													1													**1**	**1.0**
Inflammation, Chronic													1													**1**	**1.0**
Ulcer		3																								**1**	**3.0**
MUSCULOSKELETAL SYSTEM																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Skeletal Muscle			+																							**1**	
NERVOUS SYSTEM																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Neuron, Necrosis, Focal				3																						**1**	**3.0**
RESPIRATORY SYSTEM																											
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	

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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	
0.5 G/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**
Inflammation	1		1		1			1		1	1			1			1	1								**18 1.1**
Metaplasia, Osseous																										**1 1.0**
Alveolar Epithelium, Hyperplasia																										**2 1.5**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Dysplasia															2											**1 2.0**
Inflammation, Chronic Active		2	1		1			2	1	1		1	2	2		1	1	2				1				**27 1.3**
Ulcer																										**1 1.0**
Olfactory Epithelium, Degeneration	2	2	1	1	2	2	1	1	2	2	2	2	2	1		1	3	2		1	2	1	1	1	1	**47 1.4**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Sclera, Metaplasia, Osseous	2		1	1		2		2		2	1	1	1	2			1		2	2	1	2	1	2		**30 1.5**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pigmentation, Porphyrin	3	1	3	2	1	2	3	3	4	2	3	1	2	2	1	3	2	2	3	2	2	2	2	2	2	**50 2.2**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Suppurative, Focal			1					1			1	1	1	1		1	1	1	1	1	1					**22 1.0**
Metaplasia, Osseous																										**1 2.0**
Necrosis																										**2 3.0**
Nephropathy	3	4	2	2	4	1	2	4	1	2	3	3	2	3		3	3	4	2	3	2	2	4	4	1	**48 2.6**

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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	
0.5 G/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**
Papilla, Mineralization	1			1	1	3	2		1	1	1	1	2	2		2	1	2	2	1	2	3	2	3		**40 1.9**
Renal Tubule, Cyst																							X			**2**
Renal Tubule, Hyperplasia																										**2 1.0**
Renal Tubule, Nephrosis	4	3	1	2	4	2	2	3		1	3	2	2	4		3	4	4	3	4	2	3	4	4		**46 2.7**
Transitional Epithelium, Hyperplasia	1	1			1	1		2			2			1		1	2	1		1		1	1	2		**19 1.4**
Vein, Thrombosis																										**3 2.3**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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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	
1.0 G/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	**males (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Perforation					X																					
Muscularis, Periesophageal Tissue, Hemorrhage					2																					
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ulcer							3																			
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Basophilic Focus																	X									
Hemorrhage					3																					
Hepatodiaphragmatic Nodule							X					X										X				
Inflammation, Chronic																								1		
Necrosis		2													1											
Bile Duct, Hyperplasia												1		1			1									

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DAY ON TEST	0504	0536	0484	0494	0067	0474	0457	0439	0516	0497	0451	0479	0453	0476	0502	0327	0530	0502	0423	0024	0466	0446	0595	0490	0449
FISCHER 344 RATS MALE ANIMAL ID	0015 1	0015 2	0015 3	0015 4	0015 5	0015 6	0015 7	0015 8	0015 9	0016 0	0016 1	0016 2	0016 3	0016 4	0016 5	0016 6	0016 7	0016 8	0016 9	0017 0	0017 1	0017 2	0017 3	0017 4	0017 5
1.0 G/KG																									
Hepatocyte, Hypertrophy	2	1	1	2		1	2	2	1	2	2	2	2	2	1	2		2	2		2	2	2	1	
Mesentery									+																
Fat, Necrosis									2																
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Atrophy				1					1																
Artery, Thrombosis																									
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																								2	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Erosion									2		3														
Inflammation, Chronic Active			3	3			2		2	1	3	3	2			2		2	2		2		3		2
Ulcer			3	3			3			2		3						2				1	3		2
Serosa, Hyperplasia																				2					
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ulcer																									
Epithelium, Ectasia															1				1			1		1	1

males (cont...)

CARDIOVASCULAR SYSTEM

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

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DAY ON TEST	0504	0536	0484	0494	0067	0474	0457	0439	0516	0497	0451	0479	0453	0476	0502	0327	0530	0502	0423	0024	0466	0446	0595	0490	0449	
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	
1.0 G/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	**males (cont...)**
Endocardium, Hyperplasia																										
Epicardium, Hyperplasia																										
Myocardium, Mineralization																										
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia											2															
Necrosis															1											
Vacuolization Cytoplasmic			1																				1			
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	M	+	
Hyperplasia																										
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																										
Cyst										X												X				
Pars Distalis, Hyperplasia															2				1							
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Granulomatous																										
C-cell, Hyperplasia																										

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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	
1.0 G/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	**males (cont...)**
GENERAL BODY SYSTEM																										
NONE																										
GENITAL SYSTEM																										
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic		2		2			2	1		2	1	2					1	1	1		2		1	1	2	
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Hyperplasia																										
Inflammation, Chronic	1													2		3								2		
Necrosis																3										
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Interstitial Cell, Hyperplasia				2				1														2			1	
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																				2						

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DAY ON TEST	0504	0536	0484	0494	0067	0474	0457	0439	0516	0497	0451	0479	0453	0476	0502	0327	0530	0502	0423	0024	0466	0446	0595	0490	0449	
FISCHER 344 RATS MALE ANIMAL ID	001551	001552	001553	001554	001555	001556	001557	001558	001559	001560	001561	001562	001563	001564	001565	001566	001567	001568	001569	001570	001571	001572	001573	001574	001575	**males (cont...)**
1.0 G/KG																										
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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pigmentation, Hemosiderin																			2							
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	4	3	2	2		2	3	3	3	4	4	3	4	4	4	3	3	3	3		3	3	4	1	3	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	
Atrophy	3	3	4	4		3	4	3	4	4	3	4	3		4	4	4		4		3	4	4	4	4	
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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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	
1.0 G/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	**males (cont...)**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation		1	1			1						1			1				1						1	
Metaplasia, Osseous																										
Alveolar Epithelium, Hyperplasia								2																		
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active			2		3		1	2		2	3	2	2	1	3	2	3	1	1		1		1	1		
Olfactory Epithelium, Degeneration	2	2	3	1	3	3	3	3	2	3	3	3	3	3	3	3	3	3	2		2	3	3	3	2	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Sclera, Metaplasia, Osseous																					1					
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy														3												
Hyperplasia															2											
Inflammation, Chronic																				3						
Pigmentation, Porphyrin	2	3	2	3	1	4	3	2	1	3	4	4	4	3	1	2	4	2	4	1	2	3	2	3	2	
URINARY SYSTEM																										

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DAY ON TEST	504	536	484	494	067	474	457	439	516	497	451	479	453	476	502	327	530	502	423	024	466	446	595	490	449	
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	
1.0 G/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	**males (cont...)**
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Nephropathy	4	4	4	4	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4		4	4	4	4	4	
Papilla, Mineralization						1											1							1		
Renal Tubule, Nephrosis	4	4	4	4		4	4	4	4	4	4	4	4	4	4	4	4	4	4		4	3	4	4	4	
Transitional Epithelium, Hyperplasia						2									2				1		2	2		2		
Vein, Thrombosis		3	3																							
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation																2										

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DAY ON TEST	054	043	041	056	051	051	059	043	044	051	050	052	057	046	044	043	047	046	058	041	051	051	046	042	047		
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	002		
1.0 G/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**	
ALIMENTARY SYSTEM																											
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Perforation																										**1**	
Muscularis, Periesophageal Tissue, Hemorrhage																										**1**	**2.0**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	**48**	
Ulcer																										**1**	**3.0**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Basophilic Focus									X																	**2**	
Hemorrhage																										**1**	**3.0**
Hepatodiaphragmatic Nodule																										**3**	
Inflammation, Chronic																										**1**	**1.0**
Necrosis										1	1															**4**	**1.3**
Bile Duct, Hyperplasia	1					1																1				**6**	**1.0**

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DAY ON TEST	054	043	041	056	051	051	059	043	044	051	050	052	057	046	044	043	047	046	058	041	051	051	046	042	047	
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	002	
1.0 G/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**
Hepatocyte, Hypertrophy		1					2	1	1	1	1							2	1			2				**30 1.6**
Mesentery						+																			+	**3**
Fat, Necrosis						2																			2	**3 2.0**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Acinus, Atrophy				1																2		1				**5 1.2**
Artery, Thrombosis													4													**1 4.0**
Salivary Glands	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Atrophy																										**1 2.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Erosion																							3			**3 2.7**
Inflammation, Chronic Active		1					3		3	2		2		3	2	2	2	2		2			2		2	**27 2.2**
Ulcer							3		3					3	2	2	2			2		1			2	**18 2.3**
Serosa, Hyperplasia																										**1 2.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ulcer														2												**1 2.0**
Epithelium, Ectasia				1		1				2	1		1	1	1	1					1					**14 1.1**

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	1		1	1	2	1	1	1	1		1	1	2	1		1	2	2	1	1	1	2	2			**38 1.2**

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DAY ON TEST	054	043	041	056	051	051	059	043	044	051	050	052	057	046	044	043	047	046	058	041	051	051	046	042	047	
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	002	
1.0 G/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**
Endocardium, Hyperplasia													1													**1 1.0**
Epicardium, Hyperplasia															1											**1 1.0**
Myocardium, Mineralization															2											**1 2.0**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																										**1 2.0**
Necrosis																										**1 1.0**
Vacuolization Cytoplasmic			1	1							1		2						1							**7 1.1**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parathyroid Gland	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	M	**45**
Hyperplasia													3		2											**2 2.5**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis					1																					**1 1.0**
Cyst																										**2**
Pars Distalis, Hyperplasia								1					1													**4 1.3**
Thyroid Gland	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Inflammation, Granulomatous																				1						**1 1.0**
C-cell, Hyperplasia								1																		**1 1.0**

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DAY ON TEST	054	043	041	056	051	051	059	043	044	051	050	052	057	046	044	043	047	046	058	041	051	051	046	042	047	
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	002	
1.0 G/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**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	M	+	+	**48**	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	M	+	M	**47**	
Inflammation, Chronic	1	1	2	1	2	2	1	1	1	2	1	2	2	1	1	1	2	1	1	1		1		1			**36 1.4**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Atrophy												2															**1 2.0**
Hyperplasia				1																							**1 1.0**
Inflammation, Chronic						1		1																			**6 1.7**
Necrosis																											**1 3.0**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Atrophy												2															**1 2.0**
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	M	+	+	**48**	
Interstitial Cell, Hyperplasia						2		2							2					1				1			**9 1.6**

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia																											**1 2.0**

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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	002		
1.0 G/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**	
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**	
Pigmentation, Hemosiderin																											**1 2.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Atrophy		4	4	4	4	3	4	2	3	3		4	2	3	3	2	4	4	2	3	4	4	4	3	4		**46 3.2**
Thymus	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	**47**	
Atrophy	3	4	4	4	4	4	4		4	4	4	4	4	4	4	3		4	4	4	4	4	4	4	4		**44 3.8**
INTEGUMENTARY SYSTEM																											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
MUSCULOSKELETAL SYSTEM																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
NERVOUS SYSTEM																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	

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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	002	
1.0 G/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**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation	1	1								1						1			1		1			1		**14 1.0**
Metaplasia, Osseous										1				1												**2 1.0**
Alveolar Epithelium, Hyperplasia															1						1				1	**4 1.3**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active		1				2	1	1		1		2	1	3	1	1		1	2	2	3	1	1	1	1	**35 1.6**
Olfactory Epithelium, Degeneration	2	3	2	2	3	3	3	3	1	3	1	3	3	3	3	1	2	3	3	3	4	2	3	2	3	**49 2.6**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Sclera, Metaplasia, Osseous								2		1								1	2				2			**6 1.5**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	**49**
Atrophy																										**1 3.0**
Hyperplasia																										**1 2.0**
Inflammation, Chronic												2														**2 2.5**
Pigmentation, Porphyrin	2	1	4	2	3	4	1	3	2	1	3	2	2	2	1	2	3	3	3	1	2	2	2	1		**49 2.4**
URINARY SYSTEM																										

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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	002	
1.0 G/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**
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Nephropathy	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	**49 3.9**
Papilla, Mineralization									1																	**4 1.0**
Renal Tubule, Nephrosis	3	4	4	4	4	4	4	4	4	4	4	4	3	4	4	3	3	4	4	4	3	4	4	4	4	**48 3.9**
Transitional Epithelium, Hyperplasia	2	1	2	1			1				1		1		1					1	1	1			1	**18 1.4**
Vein, Thrombosis										2																**3 2.7**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	**49**
Inflammation																										**1 2.0**

*** END OF MALE DATA ***

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DAY ON TEST	073	063	073	073	034	068	073	073	033	073	073	068	073	065	073	066	033	073	064	073	029	073	056	067	073	
FISCHER 344 RATS FEMALE ANIMAL ID	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	
0 G/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	**females (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan																										
Ulcer																3										
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																										
Basophilic Focus	X	X	X	X	X		X	X		X	X	X	X	X	X	X		X		X	X	X	X	X	X	
Clear Cell Focus													X										X	X		
Eosinophilic Focus				X			X								X			X								
Fatty Change																	2									
Hepatodiaphragmatic Nodule	X																X				X					
Inflammation, Chronic	1		2	1			1	1	1	1	1	1	1	1	1	1	1	1	2	1		1	1		1	
Mixed Cell Focus			X	X				X																X		

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DAY ON TEST	0732	0631	0731	0732	0346	0688	0731	0731	0330	0731	0731	0686	0732	0656	0731	0661	0330	0730	0644	0732	0291	0732	0560	0670	0732
FISCHER 344 RATS FEMALE ANIMAL ID	0020 1	0020 2	0020 3	0020 4	0020 5	0020 6	0020 7	0020 8	0020 9	0021 0	0021 1	0021 2	0021 3	0021 4	0021 5	0021 6	0021 7	0021 8	0021 9	0022 0	0022 1	0022 2	0022 3	0022 4	0022 5
0 G/KG																									
Necrosis						1						2													
Regeneration										2															
Bile Duct, Hyperplasia		1					2	1			1						1							1	
Centrilobular, Degeneration																			3						
Sinusoid, Congestion																								3	
Sinusoid, Infiltration Cellular, Histiocyte																3									
Mesentery					+			+		+	+														
Fat, Necrosis								2		2	3														
Oral Mucosa								+																	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Atrophy		2					1	1											2						
Acinus, Hyperplasia				1																					
Duct, Cyst		X																							
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active			1																						
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mineralization																2									
Epithelium, Ectasia	2	2	1			1	1	2		2	2	1	2		2	1		2	1	1		1			1
Tongue										+															

females (cont...)

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FISCHER 344 RATS FEMALE ANIMAL ID	0020 1	0020 2	0020 3	0020 4	0020 5	0020 6	0020 7	0020 8	0020 9	0021 0	0021 1	0021 2	0021 3	0021 4	0021 5	0021 6	0021 7	0021 8	0021 9	0022 0	0022 1	0022 2	0022 3	0022 4	0022 5	**females (cont...)**
0 G/KG																										
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	1	2	2	2	1			1	1	2		2	1	1	2	2		1	1	2		1	2	2		
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia	2																									
Vacuolization Cytoplasmic	2						2	2		1							1		2			1				
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia					1																					
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis			4							2			2					2		2		2	2	2		
Cyst																						X			X	
Fibrosis																	1									
Pars Distalis, Hyperplasia	1			2						2			2				2	2		2		2	2			
Pars Intermedia, Hyperplasia																										

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FISCHER 344 RATS FEMALE ANIMAL ID	0020 1	0020 2	0020 3	0020 4	0020 5	0020 6	0020 7	0020 8	0020 9	0021 0	0021 1	0021 2	0021 3	0021 4	0021 5	0021 6	0021 7	0021 8	0021 9	0022 0	0022 1	0022 2	0022 3	0022 4	0022 5
0 G/KG																									
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia	3			1	4		2	1		2	1		1				1	1	1			1			1
Follicle, Hyperplasia			2																						

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst										X															
Hyperplasia			2	2		1																			
Inflammation, Chronic	1	1	2					1		1			1	1		1		1							
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																									
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Dilatation																1		2							
Inflammation, Chronic									3																
Endometrium, Hyperplasia, Cystic					1																				

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia									1										3		2				

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FISCHER 344 RATS FEMALE ANIMAL ID	0020	0020	0020	0020	0020	0020	0020	0020	0020	0020	0021	0021	0021	0021	0021	0021	0021	0021	0021	0022	0022	0022	0022	0022	0022	**females (cont...)**
0 G/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	
Lymph Node			+					+			+															
Deep Cervical, Hyperplasia, Lymphoid											1															
Mediastinal, Hyperplasia, Lymphoid			2																							
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy					3							3				1	1									
Hematopoietic Cell Proliferation								1	2				2						2		1					
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	
Atrophy	4	2	3	2	3	4	3	4	2	4	4	4	4	2	2	3	4	4		2	4	4	4	2		
Infiltration Cellular, Lymphocyte							3																			
Epithelial Cell, Hyperplasia	2																									
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst								X																		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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2) Mild 4) Marked

DAY ON TEST	0732	0631	0731	0732	0346	0688	0731	0731	0330	0731	0731	0686	0732	0656	0731	0661	0330	0730	0644	0732	0291	0732	0560	0670	0732	
FISCHER 344 RATS FEMALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	**females (cont...)**
0 G/KG																										
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hydrocephalus												2														
Hypothalamus, Compression												2				3										
Peripheral Nerve																										
Spinal Cord																										
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion																							3			
Inflammation	1		1	1				1	1	1	1		1					1	3	1		1		1	1	
Metaplasia, Osseous	1																									
Alveolar Epithelium, Hyperplasia			1	2				3					1													
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion						1																				
Inflammation, Chronic Active	1	1			1	1		1									1			1		1				
Olfactory Epithelium, Degeneration	1	1	1	1	1	1	1	1		1	1		1	1	1	1		1	1	1	1	1	1		1	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	0732	0631	0731	0732	0346	0688	0731	0731	0330	0731	0731	0686	0732	0656	0731	0661	0330	0730	0644	0732	0291	0732	0560	0670	0732	
FISCHER 344 RATS FEMALE ANIMAL ID	0020 1	0020 2	0020 3	0020 4	0020 5	0020 6	0020 7	0020 8	0020 9	0021 0	0021 1	0021 2	0021 3	0021 4	0021 5	0021 6	0021 7	0021 8	0021 9	0022 0	0022 1	0022 2	0022 3	0022 4	0022 5	**females (cont...)**
0 G/KG																										
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cataract																										
Optic Nerve, Atrophy																										
Sclera, Metaplasia, Osseous																										
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy													4													
Hyperplasia								2																		
Inflammation, Chronic						1																			1	
Pigmentation, Porphyrin	3	4	3	3	2	3	2	2	2	2	1	4	2	1	2	4	1	2	2	2	1	2	1	1	2	
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mineralization																	2									
Necrosis																3										
Nephropathy	1		1	1		1	1			1			1		1		2	1	1	1		1			1	
Pigmentation					3																					
Papilla, Inflammation, Suppurative																										
Papilla, Mineralization																1	1									
Pelvis, Inflammation, Chronic																										
Renal Tubule, Cyst																										
Transitional Epithelium, Hyperplasia																										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation		1																								

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\+ .. Tissue examined microscopically
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1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	073	063	073	073	034	068	073	073	033	073	073	068	073	065	073	066	033	073	064	073	029	073	056	067	073	
FISCHER 344 RATS FEMALE ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	
0 G/KG																										**females (cont...)**

DAY ON TEST	0730	0730	0606	0730	0708	0732	0730	0732	0732	0676	0730	0731	0486	0665	0731	0619	0731	0731	0732	0497	0730	0732	0732	0732	0732	
FISCHER 344 RATS FEMALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**
0 G/KG																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parasite Metazoan														1												**1 1.0**
Ulcer																										**1 3.0**
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	X	X	**44**
Clear Cell Focus	X																									**4**
Eosinophilic Focus		X											X													**6**
Fatty Change																3								1		**3 2.0**
Hepatodiaphragmatic Nodule				X												X				X						**6**
Inflammation, Chronic	1	1	1	1	1		1	1	1	1	1		1	1	1		1	1	1	1	1		1	1	1	**41 1.0**
Mixed Cell Focus						X											X									**6**

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BLANK .. Not examined microscopically

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DAY ON TEST	730	730	606	730	708	732	730	732	732	676	730	731	486	665	731	619	731	731	732	497	730	732	732	732	732	
FISCHER 344 RATS FEMALE ANIMAL ID	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	
0 G/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 1.5**
Regeneration																										**1 2.0**
Bile Duct, Hyperplasia			1																1							**8 1.1**
Centrilobular, Degeneration																										**1 3.0**
Sinusoid, Congestion																										**1 3.0**
Sinusoid, Infiltration Cellular, Histiocyte																										**1 3.0**
Mesentery					+													+			+					**7**
Fat, Necrosis					2													3			2					**6 2.3**
Oral Mucosa																										**1**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Acinus, Atrophy	1			1			1											1				1				**9 1.2**
Acinus, Hyperplasia																										**1 1.0**
Duct, Cyst																						X	X			**3**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active																										**1 1.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Mineralization																										**1 2.0**
Epithelium, Ectasia	2	2		1	1	1	1	1	1		1	1		1	1	2	2	1	1	1	1	1	1		2	**38 1.3**
Tongue																										**1**

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DAY ON TEST	073	073	060	073	070	073	073	073	073	067	073	073	048	066	073	061	073	073	073	049	073	073	073	073	073		
FISCHER 344 RATS FEMALE ANIMAL ID	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002		
0 G/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**	
CARDIOVASCULAR SYSTEM																											
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cardiomyopathy	2	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1		**43 1.3**
ENDOCRINE SYSTEM																											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia	2	1					1		2							1	2	1			2			1			**10 1.5**
Vacuolization Cytoplasmic	1	1		1			1	1	1			2						1			1		1				**17 1.3**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia																1	1										**3 1.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	M	+	+	**47**	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Angiectasis	2			2		2	1		2	3	2									3			1				**17 2.1**
Cyst		X	X	X	X							X			X	X	X	X	X				X	X			**14**
Fibrosis																											**1 1.0**
Pars Distalis, Hyperplasia								1							2			1				2	2				**14 1.8**
Pars Intermedia, Hyperplasia																			2								**1 2.0**

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FISCHER 344 RATS FEMALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**
0 G/KG																										
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Hyperplasia		2															2	2	1		1	1				**19 1.5**
Follicle, Hyperplasia																										**1 2.0**
GENERAL BODY SYSTEM																										
NONE																										
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst						X																			X	**3**
Hyperplasia	2				1			1	1																3	**8 1.6**
Inflammation, Chronic	1	2			1	1		1	1		1			1	1			2	1			1			1	**22 1.1**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst					X													X					X			**3**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Dilatation																										**2 1.5**
Inflammation, Chronic																										**1 3.0**
Endometrium, Hyperplasia, Cystic	1																	2						1		**4 1.3**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																										**3 2.0**

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DAY ON TEST	073	073	060	073	070	073	073	073	073	067	073	073	048	066	073	061	073	073	073	049	073	073	073	073	073	
FISCHER 344 RATS FEMALE ANIMAL ID	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	
0 G/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**
Lymph Node												+				+										**5**
Deep Cervical, Hyperplasia, Lymphoid																										**1 1.0**
Mediastinal, Hyperplasia, Lymphoid																										**1 2.0**
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	**0**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy			3							1																**6 2.0**
Hematopoietic Cell Proliferation	2																		2							**7 1.7**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Atrophy	2	3	4	3	3	4	4	4	3	2	3		1	4	2		4	4	4	4	3	2	2	4	4	**46 3.2**
Infiltration Cellular, Lymphocyte																										**1 3.0**
Epithelial Cell, Hyperplasia																										**1 2.0**

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst											X															**2**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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FISCHER 344 RATS FEMALE ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	*** TOTALS**
0 G/KG																										
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hydrocephalus													3							3						**3 2.7**
Hypothalamus, Compression													3							3						**4 2.8**
Peripheral Nerve														+												**1**
Spinal Cord														+												**1**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Congestion																										**1 3.0**
Inflammation	1	1	1	1		1	1	1	1		1		1	1	1		1	1	2		1	1	1	1	1	**34 1.1**
Metaplasia, Osseous																										**1 1.0**
Alveolar Epithelium, Hyperplasia						1																			1	**6 1.5**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Erosion																										**1 1.0**
Inflammation, Chronic Active			1	2	1	1		1								1			1						1	**16 1.1**
Olfactory Epithelium, Degeneration	1	1	2	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	**45 1.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	073	073	060	073	070	073	073	073	073	067	073	073	048	066	073	061	073	073	073	049	073	073	073	073	073	
FISCHER 344 RATS FEMALE ANIMAL ID	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	
0 G/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**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cataract							3																			**1 3.0**
Optic Nerve, Atrophy							3																			**1 3.0**
Sclera, Metaplasia, Osseous															1											**1 1.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy																										**1 4.0**
Hyperplasia																										**1 2.0**
Inflammation, Chronic				1							1			1			1								1	**7 1.0**
Pigmentation, Porphyrin	2	2	1	2	2	1	1	2	2	3	2	2	2	1	2	4	2	2	3	3	2	2	2	2	3	**50 2.1**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Mineralization																										**1 2.0**
Necrosis																										**1 3.0**
Nephropathy	1	1				1				1		1	1	1	1							1	1	1	1	**26 1.0**
Pigmentation																										**1 3.0**
Papilla, Inflammation, Suppurative			1																							**1 1.0**
Papilla, Mineralization					1								1						1							**5 1.0**
Pelvis, Inflammation, Chronic										2																**1 2.0**
Renal Tubule, Cyst																					X		X			**2**
Transitional Epithelium, Hyperplasia																				1						**1 1.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation			1																							**2 1.0**

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

DAY ON TEST	073	073	060	073	070	073	073	073	073	067	073	073	048	066	073	061	073	073	073	049	073	073	073	073	073	
FISCHER 344 RATS FEMALE ANIMAL ID	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	
0 G/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**

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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DAY ON TEST	0730	0732	0731	0699	0732	0651	0731	0731	0730	0732	0666	0666	0732	0732	0730	0596	0476	0689	0731	0730	0730	0730	0731	0066	0732	
FISCHER 344 RATS FEMALE ANIMAL ID	0025 1	0025 2	0025 3	0025 4	0025 5	0025 6	0025 7	0025 8	0025 9	0026 0	0026 1	0026 2	0026 3	0026 4	0026 5	0026 6	0026 7	0026 8	0026 9	0027 0	0027 1	0027 2	0027 3	0027 4	0027 5	**females (cont...)**
0.25 G/KG																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Perforation																								X		
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan			1																							
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan			1						1					1		1										
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										X						
Eosinophilic Focus	X									X	X							X								
Fatty Change				3										1												
Hemorrhage																								3		
Hepatodiaphragmatic Nodule																X										
Inflammation, Chronic		2	1		1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	

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DAY ON TEST	0730	0732	0731	0699	0732	0651	0731	0731	0730	0732	0666	0666	0732	0732	0730	0596	0476	0689	0731	0730	0730	0730	0731	0066	0732
FISCHER 344 RATS FEMALE ANIMAL ID	0025 1	0025 2	0025 3	0025 4	0025 5	0025 6	0025 7	0025 8	0025 9	0026 0	0026 1	0026 2	0026 3	0026 4	0026 5	0026 6	0026 7	0026 8	0026 9	0027 0	0027 1	0027 2	0027 3	0027 4	0027 5
0.25 G/KG																									**females (cont...)**
Mixed Cell Focus	X		X					X																	
Necrosis																								3	
Bile Duct, Hyperplasia							1		2				1					2			1	1	1		
Mesentery							+	+	+		+								+						+
Fat, Necrosis							3	2	1		2								3						2
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Atrophy								1	1				1							2	1	1			
Duct, Cyst										X												X			
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active																									
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mineralization																									
Epithelium, Ectasia	2	2		1	1		2	1	2	1	2	1	2	2	1	1			2	2	1	2	2		1

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	1	2		2	2	1				1	1		2	1		1	1	1		1		1	1		1
Fibrosis																									
Myocardium, Inflammation, Chronic																									

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DAY ON TEST	0730	0732	0731	0699	0732	0651	0731	0731	0730	0732	0666	0666	0732	0732	0730	0596	0476	0689	0731	0730	0730	0730	0731	0066	0732	
FISCHER 344 RATS FEMALE ANIMAL ID	0025 1	0025 2	0025 3	0025 4	0025 5	0025 6	0025 7	0025 8	0025 9	0026 0	0026 1	0026 2	0026 3	0026 4	0026 5	0026 6	0026 7	0026 8	0026 9	0027 0	0027 1	0027 2	0027 3	0027 4	0027 5	**females (cont...)**
Valve, Inflammation, Chronic																										
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia								1		1		2	2				2									
Vacuolization Cytoplasmic						1				1		1	1	1	1		2			1	1					
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia									1																	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia	2																									
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis		2	2	2	2		2			2	2	1	2								2		2		1	
Cyst					X	X	X		X			X		X	X	X			X	X	X	X				
Fibrosis																										
Pars Distalis, Hyperplasia	2				2		2			2		2	2									1				
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia	2							2	1	2			2	1					1		4	1	1			
Follicle, Hyperplasia																										
GENERAL BODY SYSTEM																										

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DAY ON TEST	073	073	073	069	073	065	073	073	073	073	066	066	073	073	073	059	047	068	073	073	073	073	073	006	073	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
FISCHER 344 RATS FEMALE ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0.25 G/KG	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	**females (cont...)**

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										
Hyperplasia					1								1	3						1	1					
Inflammation, Chronic	1								1				1							1						
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy				3																						
Cyst		X						X							X				X	X						
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst														X												
Dilatation																									3	
Inflammation, Suppurative								2																		
Endometrium, Hyperplasia, Cystic					1			1							2											

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										
Lymph Node						+					+															
Deep Cervical, Hyperplasia, Lymphoid																										
Mediastinal, Ectasia						3																				

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DAY ON TEST	0730	0732	0731	0699	0732	0651	0731	0731	0730	0732	0666	0666	0732	0732	0730	0596	0476	0689	0731	0730	0730	0730	0731	0066	0732	
FISCHER 344 RATS FEMALE ANIMAL ID	0025 1	0025 2	0025 3	0025 4	0025 5	0025 6	0025 7	0025 8	0025 9	0026 0	0026 1	0026 2	0026 3	0026 4	0026 5	0026 6	0026 7	0026 8	0026 9	0027 0	0027 1	0027 2	0027 3	0027 4	0027 5	**females (cont...)**
Mediastinal, Hyperplasia, Lymphoid						3					2															
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																								1		
Hematopoietic Cell Proliferation		1				1						1			1	2			1						1	
Thymus	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	4	4		3	3	4	4	4	4	4	2	4	4	3	3	3	2	3	4	4	4	2	4		4	
Infiltration Cellular, Lymphocyte																										
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																					X					
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion						X																				
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	073	073	073	069	073	065	073	073	073	073	066	066	073	073	073	059	047	068	073	073	073	073	073	006	073	
	0	2	1	9	2	1	1	1	0	2	6	6	2	2	0	6	6	9	1	0	0	0	1	6	2	
FISCHER 344 RATS FEMALE ANIMAL ID	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	
0.25 G/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...)**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hydrocephalus										2																
Hypothalamus, Compression										3																
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																										
Inflammation	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	
Alveolar Epithelium, Hyperplasia							1														1				4	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active					1	1		1	1						1	1								1		
Olfactory Epithelium, Degeneration	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Ear																					+					
Hyperplasia																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	073	073	073	069	073	065	073	073	073	073	066	066	073	073	073	059	047	068	073	073	073	073	073	006	073
	0	2	1	9	2	1	1	1	0	2	6	6	2	2	0	6	6	9	1	0	0	0	1	6	2
FISCHER 344 RATS FEMALE ANIMAL ID	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002
0.25 G/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
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy														4											
Inflammation, Chronic		1					1										1		1			1			
Pigmentation, Porphyrin	2	2	2	3	2	2	1	2	2	3	1	1	2	2	2	1	2	3	2	2	3	2	2		2
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Suppurative, Focal																									
Necrosis											3														
Nephropathy	1	1	1		1	1	1		1	2	1	1	1	1	1	1		1	1	1	1	1	1		1
Papilla, Mineralization		1						1			1														
Pelvis, Inflammation, Chronic															2							2			
Renal Tubule, Nephrosis		1																			1				
Transitional Epithelium, Hyperplasia		1								1	1	1			2				1			3	1		
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

females (cont...)

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DAY ON TEST	073	073	040	073	073	073	038	073	069	067	064	073	073	019	073	073	054	046	073	073	073	073	073	073	058	
FISCHER 344 RATS FEMALE ANIMAL ID	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	002	003	
0.25 G/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**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Perforation																										**1**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parasite Metazoan																										**1 1.0**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parasite Metazoan																					1					**5 1.0**
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		**43**
Clear Cell Focus									X													X				**6**
Eosinophilic Focus								X	X	X			X							X		X				**10**
Fatty Change																	2									**3 2.0**
Hemorrhage																										**1 3.0**
Hepatodiaphragmatic Nodule		X								X			X		X											**5**
Inflammation, Chronic		2	1	1	2	1		1		1	1	1	1	1		1	1	1	1	1	1	1	1	1		**41 1.1**

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\+ .. Tissue examined microscopically
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2) Mild 4) Marked

DAY ON TEST	0732	0731	0408	0731	0731	0730	0385	0731	0697	0673	0646	0731	0731	0197	0732	0730	0548	0462	0732	0732	0732	0730	0730	0731	0581	
FISCHER 344 RATS FEMALE ANIMAL ID	0027 6	0027 7	0027 8	0027 9	0028 0	0028 1	0028 2	0028 3	0028 4	0028 5	0028 6	0028 7	0028 8	0028 9	0029 0	0029 1	0029 2	0029 3	0029 4	0029 5	0029 6	0029 7	0029 8	0029 9	0030 0	*** TOTALS**
0.25 G/KG																										
Mixed Cell Focus	X																				X					**5**
Necrosis																										**1 3.0**
Bile Duct, Hyperplasia		2													1						1		1			**11 1.3**
Mesentery		+		+	+				+			+				+							+			**13**
Fat, Necrosis		2		3	2				2			2				3							2			**13 2.2**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Acinus, Atrophy														1		1								1		**9 1.1**
Duct, Cyst																										**2**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	**49**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active																	2									**1 2.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Mineralization			2							1								1	1							**4 1.3**
Epithelium, Ectasia	2	2	1	2		2		1	2	1	1	2	2		2	2	1	2	2	1		2	1			**39 1.6**
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	2	1	1	2	1	2		1	1				1	1	1	1			1	1				1		**31 1.2**
Fibrosis							2																			**1 2.0**
Myocardium, Inflammation, Chronic							3																			**1 3.0**

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DAY ON TEST	0732	0731	0408	0731	0731	0730	0385	0731	0697	0673	0646	0731	0731	0197	0732	0730	0548	0462	0732	0732	0732	0730	0730	0731	0581	
FISCHER 344 RATS FEMALE ANIMAL ID	0027 6	0027 7	0027 8	0027 9	0028 0	0028 1	0028 2	0028 3	0028 4	0028 5	0028 6	0028 7	0028 8	0028 9	0029 0	0029 1	0029 2	0029 3	0029 4	0029 5	0029 6	0029 7	0029 8	0029 9	0030 0	*** TOTALS**
0.25 G/KG																										
Valve, Inflammation, Chronic							4																			**1 4.0**

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia								1				2				2	1							2		**10 1.6**
Vacuolization Cytoplasmic										2							1			2			1	1		**14 1.2**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																										**1 1.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																			2							**2 2.0**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	**48**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis					2		2	2	2	2	2				2	2	2		2		2		2			**24 1.9**
Cyst	X	X	X	X	X							X			X	X					X			X		**22**
Fibrosis																				2	1					**2 1.5**
Pars Distalis, Hyperplasia		2	1							1		1				2						2				**13 1.7**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	**49**
C-cell, Hyperplasia	2	1						1		2							3		1	1	2		1	4		**20 1.8**
Follicle, Hyperplasia												2														**1 2.0**

GENERAL BODY SYSTEM

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FISCHER 344 RATS FEMALE ANIMAL ID	0027 6	0027 7	0027 8	0027 9	0028 0	0028 1	0028 2	0028 3	0028 4	0028 5	0028 6	0028 7	0028 8	0028 9	0029 0	0029 1	0029 2	0029 3	0029 4	0029 5	0029 6	0029 7	0029 8	0029 9	0030 0	*** TOTALS**
0.25 G/KG																										
NONE																										
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst						X																				**1**
Hyperplasia	1								2											2						**8 1.5**
Inflammation, Chronic		1	1					1	2			1							1	2						**11 1.2**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy																										**1 3.0**
Cyst																					X	X				**7**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																								X		**2**
Dilatation																										**1 3.0**
Inflammation, Suppurative																										**1 2.0**
Endometrium, Hyperplasia, Cystic		1	1	1														1								**7 1.1**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia										3																**1 3.0**
Lymph Node					+																					**3**
Deep Cervical, Hyperplasia, Lymphoid					2																					**1 2.0**
Mediastinal, Ectasia																										**1 3.0**

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FISCHER 344 RATS FEMALE ANIMAL ID	0027 6	0027 7	0027 8	0027 9	0028 0	0028 1	0028 2	0028 3	0028 4	0028 5	0028 6	0028 7	0028 8	0028 9	0029 0	0029 1	0029 2	0029 3	0029 4	0029 5	0029 6	0029 7	0029 8	0029 9	0030 0	*** TOTALS**
0.25 G/KG																										
Mediastinal, Hyperplasia, Lymphoid																										**2 2.5**
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	**0**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy																	3									**2 2.0**
Hematopoietic Cell Proliferation			1			1				3		1						2								**12 1.3**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	**48**
Atrophy	4	4	3	3	4	3		4	4	4	3	4	4		4	3	4	4	4	3	4	4	4		4	**45 3.6**
Infiltration Cellular, Lymphocyte														2												**1 2.0**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																										**1**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst Epithelial Inclusion																										**1**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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FISCHER 344 RATS FEMALE ANIMAL ID	0027	0027	0027	0027	0028	0028	0028	0028	0028	0028	0028	0028	0028	0028	0029	0029	0029	0029	0029	0029	0029	0029	0029	0029	0030	
0.25 G/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**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hydrocephalus									3								2		3							**4 2.5**
Hypothalamus, Compression									3								3		3							**4 3.0**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Edema							3																			**1 3.0**
Inflammation		1		1	1	1		1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		**43 1.0**
Alveolar Epithelium, Hyperplasia																										**3 2.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active	1				1																			1		**10 1.0**
Olfactory Epithelium, Degeneration	1	1		1	1			1	1	1	1	1	1		1	1	1	1	1	1	1	1		1		**44 1.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Ear								+						+												**3**
Hyperplasia								1																		**1 1.0**
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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FISCHER 344 RATS FEMALE ANIMAL ID	0027 6	0027 7	0027 8	0027 9	0028 0	0028 1	0028 2	0028 3	0028 4	0028 5	0028 6	0028 7	0028 8	0028 9	0029 0	0029 1	0029 2	0029 3	0029 4	0029 5	0029 6	0029 7	0029 8	0029 9	0030 0	*** TOTALS**
0.25 G/KG																										
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy																										**1 4.0**
Inflammation, Chronic				1	1															1						**8 1.0**
Pigmentation, Porphyrin	2	2	2	2	2	2	4	2	3	1	1	2	2	3	2	2		3	2	2	2	2	2	2	4	**48 2.1**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Suppurative, Focal					1																					**1 1.0**
Necrosis																										**1 3.0**
Nephropathy	1	1	1	1	2	1		1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1		**43 1.0**
Papilla, Mineralization																										**3 1.0**
Pelvis, Inflammation, Chronic					2																					**3 2.0**
Renal Tubule, Nephrosis																										**2 1.0**
Transitional Epithelium, Hyperplasia			1		2										1					1						**12 1.3**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	0592	0556	0732	0731	0730	0730	0731	0731	0661	0731	0732	0732	0732	0342	0730	0731	0732	0707	0731	0637	0596	0730	0732	0732	0618	
FISCHER 344 RATS FEMALE ANIMAL ID	0030 1	0030 2	0030 3	0030 4	0030 5	0030 6	0030 7	0030 8	0030 9	0031 0	0031 1	0031 2	0031 3	0031 4	0031 5	0031 6	0031 7	0031 8	0031 9	0032 0	0032 1	0032 2	0032 3	0032 4	0032 5	**females (cont...)**
0.5 G/KG																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan																										
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan						1			1													2				
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
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	
Clear Cell Focus										X													X		X	
Eosinophilic Focus				X			X		X		X		X						X			X				
Fatty Change									1											2						
Fibrosis															1											
Hepatodiaphragmatic Nodule					X				X		X					X				X						
Inflammation, Chronic	1		1	1	1	1	1	1	1	1	1	1	1		1	2	1		1	1	1	1	1	1	1	
Mineralization																										

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DAY ON TEST	059	056	073	073	073	073	073	073	066	073	073	073	073	034	073	073	073	070	073	063	059	073	073	073	061
FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003
0.5 G/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
Mixed Cell Focus							X																	X	
Necrosis																									
Bile Duct, Hyperplasia			1				1		2	1						1			1					1	
Centrilobular, Degeneration		3																		2					
Centrilobular, Necrosis																									3
Mesentery											+					+	+							+	
Fat, Necrosis											3					2	2							3	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Atrophy						1	1	1		1	1												1		
Acinus, Hyperplasia																									
Duct, Cyst										X															X
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active																				3					
Ulcer																				3					
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epithelium, Ectasia	1	1	2		1	2	1			1	1		2		1	2	1		2	2	1	2	2	2	1
Tongue																									

females (cont...)

CARDIOVASCULAR SYSTEM

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

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DAY ON TEST	059	056	073	073	073	073	073	073	066	073	073	073	073	034	073	073	073	070	073	063	059	073	073	073	061	
FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	
0.5 G/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	**females (cont...)**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy			1			1		2	1		1	1	1		1	1	1		1	1	1	2	2		2	
Atrium, Thrombosis		3																								

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia			2		1					1	2		2				2									
Necrosis																				2						
Vacuolization Cytoplasmic		3								1			2			1				3	1		2	2		
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia		1				2																		2		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																									1	
Parathyroid Gland	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis	2						2		2						1				2	1	2	2	2		2	
Cyst								X		X	X	X				X	X						X			
Pars Distalis, Hyperplasia					1		2	2			1	1	2		2	2										
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst															X											
C-cell, Hyperplasia				1	1		1			2		1	2		1	1	2					1	2		4	

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DAY ON TEST	059	056	073	073	073	073	073	073	066	073	073	073	034	073	073	073	073	070	073	063	059	073	073	073	061
FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003
0.5 G/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
Follicle, Hyperplasia						1																			

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																									
Hyperplasia	1							3									2		1				1		
Inflammation, Chronic				1	1	1		2	1	2	1		2		1						1	1	1	1	1
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																			X			X			X
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst							X																		
Dilatation				2																					
Necrosis																									
Endometrium, Hyperplasia, Cystic							1				1								1						1

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia		2																							

DAY ON TEST	0592	0556	0732	0731	0730	0730	0731	0731	0661	0731	0732	0732	0732	0342	0730	0731	0732	0707	0731	0637	0596	0730	0732	0732	0618
FISCHER 344 RATS FEMALE ANIMAL ID	0030 1	0030 2	0030 3	0030 4	0030 5	0030 6	0030 7	0030 8	0030 9	0031 0	0031 1	0031 2	0031 3	0031 4	0031 5	0031 6	0031 7	0031 8	0031 9	0032 0	0032 1	0032 2	0032 3	0032 4	0032 5
0.5 G/KG																									**females (cont...)**
Lymph Node																								+	
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy														3								1			
Fibrosis																									
Hematopoietic Cell Proliferation		3										1							1	2				4	
Infarct		3																							
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	3	4	4	3	3	4	4	4	3	4	4	4	3		4	2	4	4	3	4	2	4	3	4	4
Cyst																									
Epithelial Cell, Hyperplasia	2																								
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst								X																	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	0592	0556	0732	0731	0730	0730	0731	0731	0661	0731	0732	0732	0732	0342	0730	0731	0732	0707	0731	0637	0596	0730	0732	0732	0618	
FISCHER 344 RATS FEMALE ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	**females (cont...)**
0.5 G/KG																										
Skeletal Muscle																										
Inflammation, Suppurative																										
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hydrocephalus									2												3	2				
Hypothalamus, Compression									4												4	2				
Meninges, Inflammation, Chronic																	1									
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation	1	2	1	1	1	1	1	1	1	1	1	1	1		1	1	1		1	2		1	1		1	
Alveolar Epithelium, Hyperplasia						1																			1	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active	1		2		1			1									1				1					
Olfactory Epithelium, Degeneration	1	1	1	1	1	1		1	1	1	1	1	1		1	1	1			1	1	1	1	1	1	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	052	056	073	073	073	073	073	073	066	073	073	073	073	034	073	073	073	070	073	063	059	073	073	073	061
FISCHER 344 RATS FEMALE ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025
0.5 G/KG																									**females (cont...)**
Cataract																									
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy															2										
Hyperplasia																									
Inflammation, Chronic									1	1					1	2				1					
Pigmentation, Porphyrin	2	3	2	2	2	2	2	2	2	2	2	2	1		2	2	1	4	2	2	3	2	1	2	4
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Necrosis																									
Nephropathy	1	1	2	1	2		1	2	2	1	1	2	1		1	1	1		1	2	1	2	1	1	1
Papilla, Mineralization																									
Renal Tubule, Cyst																									
Renal Tubule, Nephrosis			1			1		1	1	1		1	1		1		1			1	1	1	1	1	1
Transitional Epithelium, Hyperplasia			1	1	1				1				1		2		1			1			1		
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation											1														

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DAY ON TEST	068	071	073	062	073	062	028	037	050	073	073	070	073	073	039	073	073	073	066	067	059	073	073	036	021	
FISCHER 344 RATS FEMALE ANIMAL ID	0032	0032	0032	0032	0033	0033	0033	0033	0033	0033	0033	0033	0033	0033	0034	0034	0034	0034	0034	0034	0034	0034	0034	0034	0035	*** TOTALS**
0.5 G/KG	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	**49**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parasite Metazoan					1																					**1 1.0**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parasite Metazoan									1			2														**5 1.4**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	**49**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	**49**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	**49**
Basophilic Focus	X	X	X	X	X	X	X		X	X	X	X	X	X		X	X	X	X	X	X	X	X	X		**42**
Clear Cell Focus						X								X									X			**6**
Eosinophilic Focus	X										X		X			X	X		X	X			X			**15**
Fatty Change		2										2														**4 1.8**
Fibrosis																		1								**2 1.0**
Hepatodiaphragmatic Nodule																X										**6**
Inflammation, Chronic	1	1	1	1	1	1	1			1	1		1	1		1	1	1		1	1	1	1	1		**41 1.0**
Mineralization																		1								**1 1.0**

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DAY ON TEST	068	071	073	062	073	062	028	037	050	073	073	070	073	073	039	073	073	073	066	067	059	073	073	036	021	
FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	
0.5 G/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**
Mixed Cell Focus					X																					**3**
Necrosis								2																		**1 2.0**
Bile Duct, Hyperplasia		1							1			2	1					1								**12 1.2**
Centrilobular, Degeneration																										**2 2.5**
Centrilobular, Necrosis												3														**2 3.0**
Mesentery	+												+	+												**7**
Fat, Necrosis	1												2	2												**7 2.1**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	**49**
Acinus, Atrophy		1												2		1		1								**10 1.1**
Acinus, Hyperplasia												2														**1 2.0**
Duct, Cyst																			X							**3**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	**49**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	**49**
Inflammation, Chronic Active																		1								**2 2.0**
Ulcer																										**1 3.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	**49**
Epithelium, Ectasia	1	2	1		2	1			1	1	2	2		2		1	1	1	2	1		1	1			**36 1.4**
Tongue												+														**1**

CARDIOVASCULAR SYSTEM

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

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FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	
0.5 G/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**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	**49**
Cardiomyopathy	1	1	1	1		1					1	1		1		1	2	1			2	1	1			**30 1.2**
Atrium, Thrombosis																										**1 3.0**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia					1					1	2			2				1				2				**12 1.6**
Necrosis																										**1 2.0**
Vacuolization Cytoplasmic		1			2						1	1		2									1			**14 1.6**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia												1														**4 1.5**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	**49**
Hyperplasia														1				1				1				**4 1.0**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	**47**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis		2			2						1					1							2	2		**16 1.8**
Cyst			X			X			X	X	X	X		X					X	X						**16**
Pars Distalis, Hyperplasia	1									1	2					1	1		1	1						**15 1.4**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	**49**
Cyst																										**1**
C-cell, Hyperplasia	1										1	1	2	1		1	1	1	1				2			**22 1.4**

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FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	
0.5 G/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**
Follicle, Hyperplasia	2	1															1									**4 1.3**
GENERAL BODY SYSTEM																										
NONE																										
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																	X									**1**
Hyperplasia											1	2	1	1			1	1		1				1		**13 1.3**
Inflammation, Chronic	1			1	1	1				1				1		1	1	1		1	1	1				**26 1.1**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst							X							X									X			**6**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																X										**2**
Dilatation											2															**2 2.0**
Necrosis																								3		**1 3.0**
Endometrium, Hyperplasia, Cystic			3													1								1		**7 1.3**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia							1																			**2 1.5**

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FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	
0.5 G/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**
Lymph Node								+																		**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	**0**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy																			3							**3 2.3**
Fibrosis												3														**1 3.0**
Hematopoietic Cell Proliferation	2									1		4	1	2		1				1	1					**13 1.8**
Infarct																										**1 3.0**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	**49**
Atrophy	4	3	4	1	4	4	1	2	2	4	3	4	4	4		2	4	2	4	3	3	3	4	3		**47 3.3**
Cyst	1																									**1 1.0**
Epithelial Cell, Hyperplasia																										**1 2.0**

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst		X																								**2**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	
0.5 G/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**
Skeletal Muscle																+										**1**
Inflammation, Suppurative																1										**1 1.0**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hydrocephalus		3			3																3					**6 2.7**
Hypothalamus, Compression		3		3	3																4		2			**8 3.1**
Meninges, Inflammation, Chronic																										**1 1.0**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	**49**
Inflammation	1	1	1	1		1			1	1	1	1	1	1		1	1	1	1	1	1	1	1			**40 1.1**
Alveolar Epithelium, Hyperplasia			2							2																**4 1.5**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active		1		1	2					1							1	1			1					**13 1.2**
Olfactory Epithelium, Degeneration	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1		**45 1.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	**49**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	**49**

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
\+ .. Tissue examined microscopically
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BLANK .. Not examined microscopically

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

DAY ON TEST	068	071	073	062	073	062	028	037	050	073	073	070	073	073	039	073	073	073	066	067	059	073	073	036	021	
FISCHER 344 RATS FEMALE ANIMAL ID	0032	0032	0032	0032	0033	0033	0033	0033	0033	0033	0033	0033	0033	0033	0034	0034	0034	0034	0034	0034	0034	0034	0034	0034	0035	
0.5 G/KG	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	*** TOTALS**
Cataract										3																**1 3.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	**49**
Atrophy									2																	**2 2.0**
Hyperplasia																						1				**1 1.0**
Inflammation, Chronic									1		1															**7 1.1**
Pigmentation, Porphyrin	2	2	2	1	2	2	2	4	2	1	1	3	2	2		2	2	2	3	2	1	1	2	2	1	**48 2.0**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Necrosis												2														**1 2.0**
Nephropathy	1	3	1		1	1			1	1	1	2	1	2		1	1	1	1	1	1	1	1			**41 1.3**
Papilla, Mineralization													1													**1 1.0**
Renal Tubule, Cyst										X																**1**
Renal Tubule, Nephrosis	1	2	1						1	1		1	1	1					1		1	1	1			**27 1.0**
Transitional Epithelium, Hyperplasia	1	2								1	2	2					1									**15 1.3**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation																										**1 1.0**

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DAY ON TEST	0730	0732	0730	0730	0731	0225	0730	0560	0730	0731	0732	0064	0730	0435	0731	0730	0678	0731	0732	0730	0588	0703	0731	0732	0724	
FISCHER 344 RATS FEMALE ANIMAL ID	0035 1	0035 2	0035 3	0035 4	0035 5	0035 6	0035 7	0035 8	0035 9	0036 0	0036 1	0036 2	0036 3	0036 4	0036 5	0036 6	0036 7	0036 8	0036 9	0037 0	0037 1	0037 2	0037 3	0037 4	0037 5	**females (cont...)**
1.0 G/KG																										
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Muscularis, Inflammation, Chronic																										
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ulcer																										
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan																			2							
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Epithelium, Hyperplasia, Focal																				2						
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis															1											
Basophilic Focus	X			X	X			X		X				X	X	X	X	X	X	X		X	X	X	X	
Clear Cell Focus			X	X																				X		
Eosinophilic Focus			X	X	X		X	X		X			X			X		X	X	X		X	X		X	
Fatty Change								1																		
Hepatodiaphragmatic Nodule			X			X															X					

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

DAY ON TEST	0730	0732	0730	0730	0731	0225	0730	0560	0730	0731	0732	0064	0730	0435	0731	0730	0678	0731	0732	0730	0588	0703	0731	0732	0724
FISCHER 344 RATS FEMALE ANIMAL ID	0035	0035	0035	0035	0035	0035	0035	0035	0035	0036	0036	0036	0036	0036	0036	0036	0036	0036	0036	0037	0037	0037	0037	0037	0037
1.0 G/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
Inflammation, Chronic			1	1	1		1	1		1				1	1	1		1	1	2	1	1	1	1	1
Mixed Cell Focus																X				X					
Necrosis																									
Bile Duct, Cyst																									
Bile Duct, Hyperplasia	1									1					1	2	2								
Centrilobular, Degeneration																									
Mesentery				+						+				+				+			+				+
Fat, Necrosis				2						2				2				3			2				3
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Atrophy													1							1					
Duct, Cyst																									
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia								2																	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active					1			2																	
Ulcer					1																				
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mineralization							1																		
Epithelium, Ectasia	2		1	1			2	2	1	1	2		1	1	2	2	1	1	1	2			2	2	
Epithelium, Hyperplasia																									

females (cont...)

CARDIOVASCULAR SYSTEM

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DAY ON TEST	0730	0732	0730	0730	0731	0225	0730	0560	0730	0731	0732	0064	0730	0435	0731	0730	0678	0731	0732	0730	0588	0703	0731	0732	0724
FISCHER 344 RATS FEMALE ANIMAL ID	0035	0035	0035	0035	0035	0035	0035	0035	0035	0036	0036	0036	0036	0036	0036	0036	0036	0036	0036	0037	0037	0037	0037	0037	0037
1.0 G/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...)																									
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	1	2	1	1	1		1						1	1	1		1	1	2	1	1	1	1	1	1
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia	1												2						2					2	2
Vacuolization Cytoplasmic				2			1	3							1	2				1				2	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																									
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	M	+	+	+	+	+
Cyst																									
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis				2			2				1				2				1		2	3	2	2	
Cyst								X					X												
Pars Distalis, Hyperplasia	2				2								1										2		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Hyperplasia	2			1			2						1		2	4		1	1				1		
Follicle, Hyperplasia									2																

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DAY ON TEST	073	073	073	073	073	022	073	056	073	073	073	006	073	043	073	073	067	073	073	073	058	070	073	073	072
FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003
1.0 G/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...)

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia										4	1												2		
Inflammation, Chronic		1	1										2	1			1			1	1				
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst									X							X									
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																									
Dilatation																									
Inflammation, Suppurative																									
Inflammation, Chronic										2															
Endometrium, Hyperplasia, Cystic	1				1				1	1	2				1		2			1					
Vagina																									

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																									

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DAY ON TEST	730	732	730	730	731	225	730	560	730	731	732	064	730	435	731	730	678	731	732	730	588	703	731	732	724
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
1.0 G/KG																									**females (cont...)**
Lymph Node		+							+						+		+								
Deep Cervical, Infiltration Cellular, Histiocyte															2										
Deep Cervical, Pigmentation															2										
Mediastinal, Hyperplasia, Lymphoid																									
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Histiocyte															2										
Pigmentation, Hemosiderin															2										
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	1												1												
Hematopoietic Cell Proliferation								2								1			1						
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	4	3	2	4	3		3	3		4	3		4	4	4	3	4	4	4	4	2	2	4	4	4
Inflammation, Chronic								2																	

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst				X																					
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	0730	0732	0730	0730	0731	0225	0730	0560	0730	0731	0732	0064	0730	0435	0731	0730	0678	0731	0732	0730	0588	0703	0731	0732	0724	
FISCHER 344 RATS FEMALE ANIMAL ID	0035 1	0035 2	0035 3	0035 4	0035 5	0035 6	0035 7	0035 8	0035 9	0036 0	0036 1	0036 2	0036 3	0036 4	0036 5	0036 6	0036 7	0036 8	0036 9	0037 0	0037 1	0037 2	0037 3	0037 4	0037 5	**females (cont...)**
1.0 G/KG																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hydrocephalus							3															2				
Hypothalamus, Compression							3															3			3	
Meninges, Inflammation, Chronic																			1							
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation	1		1	1	1		1	1			1		1		2	1		1	1	1			1			
Metaplasia, Osseous																										
Alveolar Epithelium, Hyperplasia			1	1							1															
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active			1					1				1			1					1				1	1	
Olfactory Epithelium, Degeneration	1	1	1	2	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										

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\+ .. Tissue examined microscopically
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DAY ON TEST	0730	0732	0730	0730	0731	0225	0730	0560	0730	0731	0732	0064	0730	0435	0731	0730	0678	0731	0732	0730	0588	0703	0731	0732	0724
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
1.0 G/KG																									**females (cont...)**
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cataract															3										
Degeneration										2															
Optic Nerve, Atrophy															3										
Retina, Atrophy															3										
Sclera, Metaplasia, Osseous																									
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia													2												
Inflammation, Chronic													1												
Pigmentation, Porphyrin	2	1	2	2	2	3	2	2	2			1	2	3	2	2	3	2	2	2	2	1	2	2	2
Zymbal's Gland																									

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Suppurative, Focal																									
Nephropathy	1	1	1	1	1		2	2		1	2		2	1	2	1	1	2	2	1	1	1	2	2	2
Renal Tubule, Hyperplasia				1																					
Renal Tubule, Nephrosis	1	1	1	1	1		3	1		1	1		2	1	1	1	1	1	1	1	1	1	1	1	1
Transitional Epithelium, Hyperplasia			1	1			2		1		2							1	1						
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	049	068	073	071	073	004	073	009	073	073	073	073	073	070	073	066	073	073	073	073	073	073	057	073	067	
FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	004	
1.0 G/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**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Muscularis, Inflammation, Chronic								2																		**1 2.0**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ulcer		2																								**1 2.0**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parasite Metazoan													1													**2 1.5**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Epithelium, Hyperplasia, Focal																										**1 2.0**
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			**31**
Clear Cell Focus			X						X			X					X				X					**8**
Eosinophilic Focus			X		X		X				X	X	X			X			X	X					X	**24**
Fatty Change																										**1 1.0**
Hepatodiaphragmatic Nodule					X									X		X			X					X		**8**

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2) Mild 4) Marked

DAY ON TEST	0491	0683	0732	0716	0732	0049	0730	0009	0731	0731	0730	0732	0731	0708	0732	0663	0730	0732	0730	0731	0731	0731	0578	0730	0672	
FISCHER 344 RATS FEMALE ANIMAL ID	0037 6	0037 7	0037 8	0037 9	0038 0	0038 1	0038 2	0038 3	0038 4	0038 5	0038 6	0038 7	0038 8	0038 9	0039 0	0039 1	0039 2	0039 3	0039 4	0039 5	0039 6	0039 7	0039 8	0039 9	0040 0	*** TOTALS**
1.0 G/KG																										
Inflammation, Chronic		1	1		1		1		1		1	1			1	1	1		1	1	1	1	1	1		**33 1.0**
Mixed Cell Focus			X														X		X						X	**6**
Necrosis							1																			**1 1.0**
Bile Duct, Cyst																								1		**1 1.0**
Bile Duct, Hyperplasia		1					1			2				2				2				2				**11 1.5**
Centrilobular, Degeneration				3																						**1 3.0**
Mesentery																				+	+				+	**9**
Fat, Necrosis																				2	2				3	**9 2.3**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Acinus, Atrophy			1																							**3 1.0**
Duct, Cyst					X		X					X											X			**4**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																										**1 2.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active				1																						**3 1.3**
Ulcer																										**1 1.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Mineralization																										**1 1.0**
Epithelium, Ectasia		1	2	1	2		2		2	2	2	2	2	1	1		2	2	1	1	2	1	1		2	**38 1.6**
Epithelium, Hyperplasia				1																						**1 1.0**

CARDIOVASCULAR SYSTEM

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DAY ON TEST	0491	0683	0732	0716	0732	0049	0730	0009	0731	0731	0730	0732	0731	0708	0732	0663	0730	0732	0730	0731	0731	0731	0578	0730	0672	
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	
1.0 G/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**
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	1	2	1		2	1	1	1			1	1	1	2		1	1	2	1		1					**34 1.2**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																	1		2				2			**8 1.8**
Vacuolization Cytoplasmic							1		1		1								2	1	1		1	1	3	**16 1.5**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia					2																					**1 2.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parathyroid Gland	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	M	+	+	M	+	+	+	+	+	**45**
Cyst										2																**1 2.0**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis			2				2											2			2	2				**14 1.9**
Cyst		X	X							X	X		X	X			X									**9**
Pars Distalis, Hyperplasia			3	2			2				1						1				2					**10 1.8**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Hyperplasia			2	2							2			2	1	1				1		1				**17 1.6**
Follicle, Hyperplasia									2	1										2						**4 1.8**

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DAY ON TEST	041	068	073	071	073	004	073	009	073	073	073	073	073	070	073	066	073	073	073	073	073	073	057	073	067	
FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	004	
1.0 G/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**
GENERAL BODY SYSTEM																										
NONE																										
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia						1																				**4 2.0**
Inflammation, Chronic		1							1			1		1		1				1	1					**14 1.1**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																						X	X			**4**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis												2														**1 2.0**
Dilatation																	1									**1 1.0**
Inflammation, Suppurative																				2						**1 2.0**
Inflammation, Chronic																										**1 2.0**
Endometrium, Hyperplasia, Cystic		1	3										2		1						2					**13 1.5**
Vagina		+																								**1**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia								2																		**1 2.0**

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FISCHER 344 RATS FEMALE
1.0 G/KG

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ANIMAL ID	0037 6	0037 7	0037 8	0037 9	0038 0	0038 1	0038 2	0038 3	0038 4	0038 5	0038 6	0038 7	0038 8	0038 9	0039 0	0039 1	0039 2	0039 3	0039 4	0039 5	0039 6	0039 7	0039 8	0039 9	0040 0	* TOTALS
Lymph Node		+																+								6
Deep Cervical, Infiltration Cellular, Histiocyte																										1 2.0
Deep Cervical, Pigmentation																										1 2.0
Mediastinal, Hyperplasia, Lymphoid		3																								1 3.0
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Infiltration Cellular, Histiocyte																										1 2.0
Pigmentation, Hemosiderin																										1 2.0
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Atrophy																										2 1.0
Hematopoietic Cell Proliferation					1		2					1	1			2				1						9 1.3
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Atrophy	2	3	4	3	3		3		2		4	3	3	4	4	4	3	4	4	2	2	1	3	3	3	44 3.3
Inflammation, Chronic																										1 2.0

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cyst																						X				2
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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FISCHER 344 RATS FEMALE ANIMAL ID	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	003	004	
1.0 G/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**
Hydrocephalus																										**2 2.5**
Hypothalamus, Compression																		3				3				**5 3.0**
Meninges, Inflammation, Chronic																			1							**2 1.0**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation		1	1	1	1		1		1		1	1	1		1	1	1	1	1		1		1	1	1	**32 1.0**
Metaplasia, Osseous											1													1		**2 1.0**
Alveolar Epithelium, Hyperplasia											1									2	1			2		**7 1.3**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active				1			1					1														**10 1.0**
Olfactory Epithelium, Degeneration	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**48 1.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										

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1.0 G/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**
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cataract																										**1 3.0**
Degeneration																										**1 2.0**
Optic Nerve, Atrophy																										**1 3.0**
Retina, Atrophy																										**1 3.0**
Sclera, Metaplasia, Osseous				1																						**1 1.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																										**1 2.0**
Inflammation, Chronic												2														**2 1.5**
Pigmentation, Porphyrin	2	1	2		2		2	2	3	2	2	2	2	2	2	2	2	2	3	2	2	2		2	4	**45 2.1**
Zymbal's Gland		+																							+	**2**

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Suppurative, Focal					1																					**1 1.0**
Nephropathy		1	2	1	3		2		2	2	2	2	2	2	2	1	2	2	2	2	2	2	1	2	2	**44 1.7**
Renal Tubule, Hyperplasia																										**1 1.0**
Renal Tubule, Nephrosis	1	1	1	1	3		1		1	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	2	**45 1.2**
Transitional Epithelium, Hyperplasia							1		1	2	1		1	1	1			2		1	1	1			1	**19 1.2**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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1.0 G/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**

*** END OF REPORT ***

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