Rats Final 1

NTP Study Number:	C00058B
Lock Date:	10/02/2018
Cage Range:	ALL
Date Range:	ALL
Reasons For Removal:	ALL
Removal Date Range:	ALL
Treatment Groups:	Include ALL
Study Gender:	Both
TDMSE Version:	3.0.2.3_002
PWG Approval Date:	NONE

DAY ON TEST	0731	0726	0730	0674	0654	0704	0730	0598	0680	0562	0718	0573	0711	0643	0646	0730	0624	0646	0711	0538	0730	0730	0577	0672	0731	
HARLAN SPRAGUE DAWLEY RATS MALE																										
0 mg/kg male ANIMAL ID	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00018	00019	00020	00021	00022	00023	00024	00025	**males (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion									2																	
Inflammation, Acute																				1						
Inflammation, Chronic									1																	
Inflammation, Chronic Active																								3		
Mineral									2															3		
Polyarteritis Nodosa									2									2							2	
Ulcer																								3		
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic																										
Parasite Metazoan					X																					
Polyarteritis Nodosa																									2	
Lymphoid Tissue, Hyperplasia																										
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Polyarteritis Nodosa			1																						2	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Polyarteritis Nodosa											2														2	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	
Polyarteritis Nodosa																										
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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

HARLAN SPRAGUE DAWLEY RATS MALE

0 mg/kg male

DAY ON TEST	07311	07266	07300	06744	06544	07044	07300	05988	06800	05622	07118	05733	07111	06443	06466	07300	06244	06466	07111	05538	07300	07300	05777	06722	07311	
ANIMAL ID	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00018	00019	00020	00021	00022	00023	00024	00025	**males (cont...)**
Polyarteritis Nodosa																									2	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis			3																							
Clear Cell Focus	X		X			X	X				X		X			X		X			X			X	
Eosinophilic Focus			X										X									X				
Mixed Cell Focus													X													
Necrosis		3									1				2				1	2			2			
Polyarteritis Nodosa										1																
Artery, Inflammation, Chronic Active																										
Bile Duct, Cyst													X													
Bile Duct, Dilation			3										4						1							
Bile Duct, Hyperplasia		2	1	1	1				1		1		1	1				1	1			2			1	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Polyarteritis Nodosa								2									1	2							2	
Acinus, Atrophy																2	1					2				
Acinus, Hyperplasia		2							1							4					1					
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Granulomatous																										
Inflammation, Chronic																										
Mineral																										
Polyarteritis Nodosa																										
Epithelium, Hyperplasia																										
Epithelium, Hyperplasia, Basal Cell																										

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HARLAN SPRAGUE DAWLEY RATS MALE

0 mg/kg male

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ANIMAL ID	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00018	00019	00020	00021	00022	00023	00024	00025	**males (cont...)**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Lymphocyte																										
Inflammation, Chronic																										
Mineral		1			3				3	2			2		1					3				2		
CARDIOVASCULAR SYSTEM																										
Blood Vessel		+		+	+	+	+		+	+		+	+		+					+		+	+	+		
Mineral		2			1				1	2			1		1					2				2		
Intima, Hyperplasia																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	1		1	1	1	1		2	2	2	1	1	1	2		1		2	1	1	1	1	1	3	1	
Mineral		1								2																
Polyarteritis Nodosa																									2	
Atrium, Thrombus																			X							
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration, Cystic				1					1												1					
Hyperplasia, Focal	2							1			3													1		
Hypertrophy, Focal																										
Necrosis																										
Vacuolization Cytoplasmic				2																						
Bilateral, Hyperplasia, Focal														2												
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Focal	4											2				1	2	3								

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DAY ON TEST	07 31	07 26	07 30	06 74	06 54	07 04	07 30	05 98	06 80	05 62	07 18	05 73	07 11	06 43	06 46	07 30	06 24	06 46	07 11	05 38	07 30	07 30	05 77	06 72	07 31	
HARLAN SPRAGUE DAWLEY RATS MALE																										
0 mg/kg male ANIMAL ID	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00018	00019	00020	00021	00022	00023	00024	00025	**males (cont...)**
Bilateral, Hyperplasia, Focal																					4					
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Hyperplasia																								3		
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	
Hyperplasia, Diffuse				1							3		2						2					3		
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																										
Pars Distalis, Hyperplasia				3	1		1		1	1		1	1				1		1	1	1		1			
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ectopic Thymus	1																									
C-cell, Hyperplasia					2		4										3								1	

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																			2							
Bilateral, Atrophy													2													
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Duct, Hyperplasia, Squamous								3																		
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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HARLAN SPRAGUE DAWLEY RATS MALE																										
0 mg/kg male ANIMAL ID	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00018	00019	00020	00021	00022	00023	00024	00025	**males (cont...)**
Hyperplasia	1																									
Inflammation, Chronic Active				1		1	1								3											
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																										
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Granuloma Sperm	1																									
Mineral																										
Polyarteritis Nodosa	2							2	2	1	2		1	1		1	1	2	3		1				2	
Bilateral, Germinal Epithelium, Degeneration	4		1						1	3	1		4										3	4		
Germinal Epithelium, Degeneration					1									3				1	4		3					
Interstitial Cell, Hyperplasia						2																				
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage										3			3											2		
Hypercellularity				3	3	3				2	3		3		4		2	1	4	2		4	3	2	1	
Lymph Node		+									+															
Lumbar, Hyperplasia, Lymphoid																										
Mediastinal, Infiltration Cellular, Histiocyte		1																								
Mediastinal, Thrombus											X															
Renal, Hemorrhage																										
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Lymphoid																										
Infiltration Cellular, Plasma Cell																										

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HARLAN SPRAGUE DAWLEY RATS MALE

0 mg/kg male

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Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Hyperplasia, Lymphoid																										
Infiltration Cellular, Histiocyte		1																								
Necrosis																										
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Extramedullary Hematopoiesis	2	2	2	3	3	3	2	2			3	2	2	2	4	3		2	2	3	2	4	3	1	2	
Pigment	2	1	1	1			2	1	2	2		1	2	1		1	1	1			1			1	1	
Polyarteritis Nodosa																									2	
White Pulp, Atrophy		2								3					4				3	2			2	4		
Thymus	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	2	4	2	3		4	1	2	4	4	4	3	4	3	4			2	4	4	2	2	4	4	1	
Ectopic Parathyroid Gland																										
Polyarteritis Nodosa																										

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	
Galactocele																							2			
Hyperplasia											1															
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion														X												
Inflammation, Granulomatous																										
Inflammation, Chronic Active																										
Ulcer																										

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HARLAN SPRAGUE DAWLEY RATS MALE																										
0 mg/kg male																										
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MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage																										
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Histiocyte			1				2	1			3	1						1	1	1	1			1	1	
Inflammation, Granulomatous	1			1															1	1	1			1		
Inflammation, Acute											3		1													
Mineral										1										1				1		
Alveolar Epithelium, Hyperplasia			2						1																	
Alveolus, Foreign Body																										
Interstitium, Fibrosis											1															
Perivascular, Infiltration Cellular, Lymphoid			2																							
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body		X	X									X														
Inflammation, Suppurative		1																	1							
Inflammation, Acute			1													1										
Inflammation, Chronic												1														
Inflammation, Chronic Active								1														1				
Nasolacrimal Duct, Inflammation, Suppurative																										
Nasolacrimal Duct, Inflammation, Chronic	2										2					1										

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HARLAN SPRAGUE DAWLEY RATS MALE																										
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Nasolacrimal Duct, Inflammation, Chronic Active							1																			
Olfactory Epithelium, Metaplasia, Respiratory																										
Respiratory Epithelium, Hyperplasia																										
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cataract	1																									
Cornea, Inflammation, Acute											3								3					2		
Cornea, Inflammation, Chronic						2																				
Cornea, Inflammation, Chronic Active																										
Retina, Degeneration						2	2						1													
Retina, Fibrosis													1													
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Zymbal's Gland				+																						
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Calculus Micro Observation Only																										
Hemorrhage																				4						
Hyperplasia, Oncocytic																										
Infarct														1												
Nephropathy, Chronic Progressive	3	3	4	4	4	3	2	4	4	4	4	4	4	2	4	4	4	4	4	4	3	2	3	4	4	
Polyarteritis Nodosa																									1	

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HARLAN SPRAGUE DAWLEY RATS MALE																										
0 mg/kg male																										
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Pelvis, Dilation																										
Pelvis, Inflammation, Acute																										
Pelvis, Inflammation, Chronic Active																										
Renal Tubule, Accumulation, Hyaline Droplet					1																					
Renal Tubule, Cyst					X						X															
Renal Tubule, Dilation																										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic				1																			1			
Perivascular, Infiltration Cellular, Lymphocyte																										

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HARLAN SPRAGUE DAWLEY RATS MALE

0 mg/kg male

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ANIMAL ID	00026	00027	00028	00029	00030	00031	00032	00033	00034	00035	00036	00037	00038	00039	00040	00041	00042	00043	00044	00045	00046	00047	00048	00049	00050	*** TOTALS**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Erosion		2																					1			**3 1.7**
Inflammation, Acute																										**1 1.0**
Inflammation, Chronic																							1			**2 1.0**
Inflammation, Chronic Active																										**1 3.0**
Mineral		2																								**3 2.3**
Polyarteritis Nodosa																										**3 2.0**
Ulcer		2																								**2 2.5**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic		1																								**1 1.0**
Parasite Metazoan																										**1**
Polyarteritis Nodosa																										**1 2.0**
Lymphoid Tissue, Hyperplasia										3																**1 3.0**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Polyarteritis Nodosa																										**2 1.5**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Polyarteritis Nodosa																										**2 2.0**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Polyarteritis Nodosa																1										**1 1.0**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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

HARLAN SPRAGUE DAWLEY RATS MALE

0 mg/kg male

DAY ON TEST	0731	0720	0730	0731	0616	0618	0693	0692	0718	0731	0731	0621	0481	0678	0155	0731	0354	0599	0643	0623	0666	0731	0631	0730	0676	
ANIMAL ID	00026	00027	00028	00029	00030	00031	00032	00033	00034	00035	00036	00037	00038	00039	00040	00041	00042	00043	00044	00045	00046	00047	00048	00049	00050	*** TOTALS**
Polyarteritis Nodosa																2										**2 2.0**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis																										**1 3.0**
Clear Cell Focus	X		X	X						X	X	X									X	X		X		**19**
Eosinophilic Focus																		X	X							**5**
Mixed Cell Focus																		X								**2**
Necrosis	1													1												**8 1.6**
Polyarteritis Nodosa																1										**2 1.0**
Artery, Inflammation, Chronic Active														2												**1 2.0**
Bile Duct, Cyst			X				X		X																	**4**
Bile Duct, Dilation																										**3 2.7**
Bile Duct, Hyperplasia	1	1	2	1			1			1		1	1	1		1		1			1	1		1	1	**27 1.1**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Polyarteritis Nodosa							2																1			**6 1.7**
Acinus, Atrophy				1					1																	**5 1.4**
Acinus, Hyperplasia			4	3			1	1										4								**9 2.3**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy						2																				**1 2.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Granulomatous																				1						**1 1.0**
Inflammation, Chronic									2			1														**2 1.5**
Mineral																							1			**1 1.0**
Polyarteritis Nodosa																2										**1 2.0**
Epithelium, Hyperplasia									2																	**1 2.0**
Epithelium, Hyperplasia, Basal Cell																									3	**1 3.0**

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DAY ON TEST	0731	0720	0730	0731	0616	0618	0693	0692	0718	0731	0731	0621	0481	0678	0155	0731	0354	0599	0643	0623	0666	0731	0631	0730	0676	
HARLAN SPRAGUE DAWLEY RATS MALE																										
0 mg/kg male																										
ANIMAL ID	00026	00027	00028	00029	00030	00031	00032	00033	00034	00035	00036	00037	00038	00039	00040	00041	00042	00043	00044	00045	00046	00047	00048	00049	00050	*** TOTALS**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infiltration Cellular, Lymphocyte																									1	**1 1.0**
Inflammation, Chronic											1															**1 1.0**
Mineral		4			2	2						3						2	2				3			**15 2.3**
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+	+		+			+	+	+	+		+		+	+	+	+		+	+		+	**32**
Mineral		2			3							2						1	1				2			**14 1.6**
Intima, Hyperplasia							2																			**1 2.0**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	1	3	2	1	1			1	1	1		3				1		2	2		1	1	2		1	**37 1.4**
Mineral		1										1														**4 1.3**
Polyarteritis Nodosa																1										**2 1.5**
Atrium, Thrombus																									X	**2**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Degeneration, Cystic																			1						1	**5 1.0**
Hyperplasia, Focal				1														1								**6 1.5**
Hypertrophy, Focal						1																				**1 1.0**
Necrosis																			1				1			**2 1.0**
Vacuolization Cytoplasmic																										**1 2.0**
Bilateral, Hyperplasia, Focal																										**1 2.0**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia, Focal		1									2											1			1	**9 1.9**

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HARLAN SPRAGUE DAWLEY RATS MALE																										
0 mg/kg male																										
ANIMAL ID	00026	00027	00028	00029	00030	00031	00032	00033	00034	00035	00036	00037	00038	00039	00040	00041	00042	00043	00044	00045	00046	00047	00048	00049	00050	*** TOTALS**
Bilateral, Hyperplasia, Focal				2					3							2								2		**5 2.6**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy																							4			**1 4.0**
Hyperplasia									1																	**2 2.0**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Hyperplasia, Diffuse		4			4				3			4						4	3				2		3	**13 2.9**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active														2												**1 2.0**
Pars Distalis, Hyperplasia		2		1		1			4		4	3						2		1						**20 1.6**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Ectopic Thymus																										**1 1.0**
C-cell, Hyperplasia		4		2		3			3					3												**9 2.8**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy																										**1 2.0**
Bilateral, Atrophy																										**1 2.0**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Duct, Hyperplasia, Squamous																										**1 3.0**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	073 1	072 0	073 0	073 1	061 6	061 8	069 3	069 2	071 8	073 1	073 1	062 1	048 1	067 8	015 5	073 1	035 4	059 9	064 3	062 3	066 6	073 1	063 1	073 0	067 6	
HARLAN SPRAGUE DAWLEY RATS MALE																										
0 mg/kg male ANIMAL ID	00026	00027	00028	00029	00030	00031	00032	00033	00034	00035	00036	00037	00038	00039	00040	00041	00042	00043	00044	00045	00046	00047	00048	00049	00050	*** TOTALS**
Hyperplasia																1										**2 1.0**
Inflammation, Chronic Active	2					3	3		2					2												**9 2.0**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active							2		2					2												**3 2.0**
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Granuloma Sperm																										**1 1.0**
Mineral																						2				**1 2.0**
Polyarteritis Nodosa		1			2		2	1	1			1				3		2	2				2	1		**24 1.6**
Bilateral, Germinal Epithelium, Degeneration		3					1		1									2		4			1			**14 2.4**
Germinal Epithelium, Degeneration	1											2		1		1						3		4	2	**12 2.2**
Interstitial Cell, Hyperplasia																										**1 2.0**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage		3			4				2			2							1				4		4	**10 2.8**
Hypercellularity	2	2			2	4	1		3			4			3	1		1	2		1			1		**28 2.4**
Lymph Node							+		+											+						**5**
Lumbar, Hyperplasia, Lymphoid							3																			**1 3.0**
Mediastinal, Infiltration Cellular, Histiocyte																										**1 1.0**
Mediastinal, Thrombus																										**1**
Renal, Hemorrhage									2																	**1 2.0**
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia, Lymphoid														4												**1 4.0**
Infiltration Cellular, Plasma Cell			2			4																				**2 3.0**

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HARLAN SPRAGUE DAWLEY RATS MALE																										
0 mg/kg male																										
ANIMAL ID	00026	00027	00028	00029	00030	00031	00032	00033	00034	00035	00036	00037	00038	00039	00040	00041	00042	00043	00044	00045	00046	00047	00048	00049	00050	*** TOTALS**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy																									3	**1 3.0**
Hyperplasia, Lymphoid														4												**1 4.0**
Infiltration Cellular, Histiocyte																										**1 1.0**
Necrosis														2												**1 2.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Extramedullary Hematopoiesis	3		2	2		2	1	2		2	2	3		2	2	2	2	2	2	3	2	2		2		**41 2.3**
Pigment	1	2	1	1	2	1	2	1	2	1	1		2		1	1	1	1			1	1	2	1	2	**38 1.3**
Polyarteritis Nodosa																										**1 2.0**
White Pulp, Atrophy		3			4		2					3	4				3		2	2			4		4	**17 3.0**
Thymus	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	M	+	M	+	+	+	**46**
Atrophy	2	4	2	1	4	2	4	4	3	1	3		2	3		1	2	4	3		2		4	2	4	**43 2.9**
Ectopic Parathyroid Gland									3									3								**2 3.0**
Polyarteritis Nodosa					2		2																			**2 2.0**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Galactocele																										**1 2.0**
Hyperplasia																										**1 1.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst Epithelial Inclusion																										**1**
Inflammation, Granulomatous											4															**1 4.0**
Inflammation, Chronic Active														3												**1 3.0**
Ulcer														3												**1 3.0**

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HARLAN SPRAGUE DAWLEY RATS MALE																										
0 mg/kg male																										
ANIMAL ID	00026	00027	00028	00029	00030	00031	00032	00033	00034	00035	00036	00037	00038	00039	00040	00041	00042	00043	00044	00045	00046	00047	00048	00049	00050	*** TOTALS**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage														3												**1 3.0**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infiltration Cellular, Histiocyte	1	1		1			2	1	1				1						1			2			3	**21 1.3**
Inflammation, Granulomatous			1			3							1											1		**10 1.2**
Inflammation, Acute							1																			**3 1.7**
Mineral		2			1																		1			**6 1.2**
Alveolar Epithelium, Hyperplasia																										**2 1.5**
Alveolus, Foreign Body						X																				**1**
Interstitium, Fibrosis																										**1 1.0**
Perivascular, Infiltration Cellular, Lymphoid																										**1 2.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body							X					X												X		**6**
Inflammation, Suppurative					1		4					1														**5 1.6**
Inflammation, Acute																										**2 1.0**
Inflammation, Chronic											1					1										**3 1.0**
Inflammation, Chronic Active																								3		**3 1.7**
Nasolacrimal Duct, Inflammation, Suppurative																				3						**1 3.0**
Nasolacrimal Duct, Inflammation, Chronic						1	1		1									1						1		**8 1.3**

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 0 mg/kg male / ANIMAL ID	0731 00026	0720 00027	0730 00028	0731 00029	0616 00030	0618 00031	0693 00032	0692 00033	0718 00034	0731 00035	0731 00036	0621 00037	0481 00038	0678 00039	0155 00040	0731 00041	0354 00042	0599 00043	0643 00044	0623 00045	0666 00046	0731 00047	0631 00048	0730 00049	0676 00050	* TOTALS	
Nasolacrimal Duct, Inflammation, Chronic Active														1											**2**	**1.0**
Olfactory Epithelium, Metaplasia, Respiratory																							2		**1**	**2.0**
Respiratory Epithelium, Hyperplasia			1																						**1**	**1.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cataract																									**1**	**1.0**
Cornea, Inflammation, Acute												3												1	**5**	**2.4**
Cornea, Inflammation, Chronic																						1			**2**	**1.5**
Cornea, Inflammation, Chronic Active		4																							**1**	**4.0**
Retina, Degeneration																									**3**	**1.7**
Retina, Fibrosis																									**1**	**1.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Atrophy																						2			**1**	**2.0**
Zymbal's Gland						+																			**2**	
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Calculus Micro Observation Only						X																			**1**	
Hemorrhage																									**1**	**4.0**
Hyperplasia, Oncocytic		4							2																**2**	**3.0**
Infarct																									**1**	**1.0**
Nephropathy, Chronic Progressive	3	4	3	3	4	4	3	4	4	2	3	4	2	4	2	4	2	4	4	3	2	4	4	3	4	**50**	**3.4**
Polyarteritis Nodosa																									**1**	**1.0**

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HARLAN SPRAGUE DAWLEY RATS MALE

0 mg/kg male

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ANIMAL ID	00026	00027	00028	00029	00030	00031	00032	00033	00034	00035	00036	00037	00038	00039	00040	00041	00042	00043	00044	00045	00046	00047	00048	00049	00050	*** TOTALS**
Pelvis, Dilation																	2									**1 2.0**
Pelvis, Inflammation, Acute									2																	**1 2.0**
Pelvis, Inflammation, Chronic Active						2								3												**2 2.5**
Renal Tubule, Accumulation, Hyaline Droplet																				4						**2 2.5**
Renal Tubule, Cyst									X			X														**4**
Renal Tubule, Dilation																	2									**1 2.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic						2								1												**4 1.3**
Perivascular, Infiltration Cellular, Lymphocyte							2																			**1 2.0**

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HARLAN SPRAGUE DAWLEY RATS MALE

75 mg/kg male

DAY ON TEST	0488	0637	0666	0724	0730	0644	0680	0596	0617	0730	0630	0669	0611	0713	0711	0730	0553	0730	0618	0731	0274	0731	0731	0560	0475	
ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073	00074	00075	**males (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion											1		2						2					1		
Infiltration Cellular, Lymphoid																										
Inflammation, Chronic		1																	2							
Inflammation, Chronic Active						1																				
Mineral						1					1		3						2							
Polyarteritis Nodosa						2				2			1						1			3				
Ulcer						2																				
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Lymphoid																										
Mineral																	3									
Parasite Metazoan															X					X						
Polyarteritis Nodosa										2												1				
Lymphoid Tissue, Hyperplasia																		3								
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan										X																
Polyarteritis Nodosa														2								2				
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Polyarteritis Nodosa										1																
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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

HARLAN SPRAGUE DAWLEY RATS MALE

75 mg/kg male

DAY ON TEST	0488	0637	0666	0724	0730	0644	0680	0596	0617	0730	0630	0669	0611	0713	0711	0730	0553	0730	0618	0731	0274	0731	0731	0560	0475	
ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073	00074	00075	**males (cont...)**
Polyarteritis Nodosa																										
Peyer's Patch, Hyperplasia										2																
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Basophilic Focus			X									X														
Clear Cell Focus					X					X				X		X		X		X			X		X	
Eosinophilic Focus																						X				
Extramedullary Hematopoiesis																					1					
Fatty Change, Focal																										
Hepatodiaphragmatic Nodule																										
Inflammation, Granulomatous																							4			
Mixed Cell Focus					X																					
Necrosis		2							2						3											
Bile Duct, Cyst		X																								
Bile Duct, Dilation																										
Bile Duct, Hyperplasia		1		1	1			1	1							1		1		1						
Centrilobular, Necrosis																										
Mesentery												+								+						
Hemorrhage																										
Pigment																				2						
Polyarteritis Nodosa												3														
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Polyarteritis Nodosa										2				2				1				2				
Acinus, Atrophy					1										2					1						
Acinus, Hyperplasia	4								1	4																
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy														2												

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DAY ON TEST	048	063	066	072	073	064	068	059	061	073	063	066	061	071	073	071	073	055	073	061	073	027	073	073	056	047	
HARLAN SPRAGUE DAWLEY RATS MALE	7	7	6	4	0	4	0	6	7	0	0	9	1	3	0	1	0	3	0	8	1	4	1	1	0	5	
75 mg/kg male ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073	00074	00075	**males (cont...)**	
Inflammation, Chronic Active																											
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Cyst, Squamous													X														
Foreign Body																											
Infiltration Cellular, Lipocyte					1																						
Inflammation, Acute																											
Inflammation, Chronic Active		2		2																							
Mineral																	3										
Polyarteritis Nodosa										2																	
Ulcer		2																									
Epithelium, Hyperplasia		3		1																							
Epithelium, Hyperplasia, Basal Cell															2												
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Infiltration Cellular, Lipocyte					2																						
Inflammation, Acute													2														
Mineral	3	2				4	2				2		2		4		4		2					3			
Tongue																											
Edema																											
Inflammation, Chronic Active																											
Tooth		+													+		+										
Metaplasia, Osseous																	1										
Dentine, Degeneration		3													2												
Pulp, Inflammation, Chronic		2																									

CARDIOVASCULAR SYSTEM

HARLAN SPRAGUE DAWLEY RATS MALE

75 mg/kg male

DAY ON TEST	0488	0637	0666	0724	0730	0644	0680	0596	0617	0730	0630	0669	0611	0713	0711	0730	0553	0730	0618	0731	0274	0731	0731	0560	0475	
ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073	00074	00075	**males (cont...)**
Blood Vessel	+	+			+	+	+	+	+		+		+	+	+	+	+		+	+	+			+		
Aneurysm														3												
Mineral	2	2				3	1				2		4		2		3		2					2		
Aorta, Dilation																	3							3		
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	1	1	2		1	2	2	1		1	3	2	3	2	3		3		3	2	1	2	2	2	2	
Inflammation, Acute		1																								
Mineral	2					1							1				3		1							
Polyarteritis Nodosa																										
Thrombus															X											
Atrium, Thrombus								X																		
Perivascular, Infiltration Cellular, Lymphocyte			2																							

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration, Cystic		1													1											
Hyperplasia, Focal			4	1						3												1				
Necrosis												1												1		
Thrombus										X														X		
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Focal		2				2							2						2				1			
Bilateral, Hyperplasia, Focal					3																					
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	

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

DAY ON TEST	048	063	066	072	073	064	068	059	061	073	063	066	061	071	071	073	055	073	061	073	027	073	073	056	047	
HARLAN SPRAGUE DAWLEY RATS MALE	4	7	6	4	0	4	0	6	7	0	0	9	1	3	1	0	3	0	8	1	4	1	1	0	5	
75 mg/kg male ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073	00074	00075	**males (cont...)**
Hyperplasia, Diffuse	2	2	2			2	2	3		2	4	4	3		3		4	2	3							
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Hyperplasia					1		2		1					2		1				3		1	2			
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Polyarteritis Nodosa																										
C-cell, Hyperplasia									2					2						2			3			
GENERAL BODY SYSTEM																										
NONE																										
GENITAL SYSTEM																										
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Granuloma Sperm																										
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																1										
Inflammation, Chronic																										
Inflammation, Chronic Active												1		2	3								1			
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active												2			3											
Mineral																	2									
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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2) Mild 4) Marked

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 75 mg/kg male / ANIMAL ID	0488 00051	0637 00052	0666 00053	0724 00054	0730 00055	0644 00056	0680 00057	0596 00058	0617 00059	0730 00060	0630 00061	0669 00062	0611 00063	0713 00064	0711 00065	0730 00066	0553 00067	0730 00068	0618 00069	0731 00070	0274 00071	0731 00072	0731 00073	0560 00074	0475 00075	males (cont...)
Polyarteritis Nodosa	1		2	1		2	2			3		2	1	3	2				2			2	2	1	2	
Bilateral, Germinal Epithelium, Degeneration		3				1	4			1	4	1	2		1		3		1					2		
Germinal Epithelium, Degeneration			1																	1		1			2	
Interstitial Cell, Hyperplasia																				2						
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage	1	1				1	3	3			3	3	3				1		1					2		
Hypercellularity		3	2		1	1	2	2		1	2	3			3	1				2	4	1	1	2		
Myelofibrosis						1											1									
Lymph Node									+																	
Mediastinal, Hemorrhage																										
Renal, Hemorrhage																										
Renal, Pigment																										
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Plasma Cell										3																
Inflammation																										
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Lymphoid										3																
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Extramedullary Hematopoiesis		3	2	1	2	2	1	1		2		1	1	2	3	2		2		2	3	1	2		2	
Hemorrhage									3																	
Pigment	2		1	2	1	2	2	1		1	2	1	1		1	1	2	1	2	1		1	1	1	1	
White Pulp, Atrophy	4	4		2		2	3	4			3	4	3				4		3		2			3		

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

HARLAN SPRAGUE DAWLEY RATS MALE

75 mg/kg male

DAY ON TEST	0488	0637	0666	0724	0730	0644	0680	0596	0617	0730	0630	0669	0611	0713	0711	0730	0553	0730	0618	0731	0274	0731	0731	0560	0475	
ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073	00074	00075	**males (cont...)**
Thymus	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	4	4	1	4	1	4	4	4		1			4	1	3	1	4		4	2	3	1	3	4	3	
Ectopic Parathyroid Gland							2																			
Polyarteritis Nodosa																										
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	
Hyperplasia		2																								
Mineral																	2									
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion														X												
Inflammation, Chronic Active														4												
Ulcer														4												
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst						X																				
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage									1																	
Necrosis																										
Nerve Trigeminal									+																	
Peripheral Nerve									+																	

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DAY ON TEST	0488	0637	0666	0724	0730	0644	0680	0596	0617	0730	0630	0669	0611	0713	0711	0730	0553	0730	0618	0731	0274	0731	0731	0560	0475	
HARLAN SPRAGUE DAWLEY RATS MALE																										
75 mg/kg male ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073	00074	00075	**males (cont...)**
Spinal Cord									+																	
Hemorrhage									3																	
Axon, Degeneration									2																	
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage								4																		
Infiltration Cellular, Histiocyte	2							3		1		3				1				1	1				1	
Inflammation, Granulomatous	1									1					1									1		
Inflammation, Acute											1	2														
Mineral	1					2					1		2		4		4		2					1		
Squamous Metaplasia																								2		
Alveolar Epithelium, Hyperplasia							1																			
Alveolus, Fibrosis												1														
Bronchiole, Fibrosis								2																		
Bronchiole, Foreign Body																										
Interstitium, Fibrosis																										
Perivascular, Inflammation, Chronic																							2			
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body																										
Inflammation, Suppurative	4					1										1									1	
Inflammation, Chronic Active					1						3															
Nasolacrimal Duct, Inflammation, Suppurative																										
Nasolacrimal Duct, Inflammation, Chronic	1		2																							
Nasolacrimal Duct, Inflammation, Chronic Active										1																
Nasopharyngeal Duct, Inflammation, Chronic Active											3															

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

DAY ON TEST	048	063	066	072	073	064	068	059	061	073	063	066	061	071	071	073	055	073	061	073	027	073	073	056	047	
HARLAN SPRAGUE DAWLEY RATS MALE																										
75 mg/kg male ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073	00074	00075	**males (cont...)**
Nasopharyngeal Duct, Squamous Metaplasia											3															
Olfactory Epithelium, Metaplasia, Respiratory																										
Olfactory Epithelium, Squamous Metaplasia																										
Respiratory Epithelium, Hyperplasia						1																				
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mineral	2																									
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic																										
Cornea, Inflammation, Acute											1						2									
Cornea, Inflammation, Chronic					1																					
Cornea, Inflammation, Chronic Active			2																	1		3				
Retina, Dysplasia														2												
Retina, Hyperplasia														2												
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Metaplasia									1																	
Zymbal's Gland																										
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Calculus Micro Observation Only												X			X											
Hemorrhage															4											
Nephropathy, Chronic Progressive	4	4	3	4	3	4	4	4	3	4	4	4	4	3	4	3	4	4	4	3	2	4	4	4	4	
Polyarteritis Nodosa			2																							

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

DAY ON TEST	048	063	066	072	073	064	068	059	061	073	063	066	061	071	071	073	055	073	061	073	027	073	073	056	047	
HARLAN SPRAGUE DAWLEY RATS MALE	7	7	6	4	0	4	0	6	7	0	0	9	1	3	1	0	3	0	8	1	4	1	1	0	5	**males (cont...)**
75 mg/kg male ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073	00074	00075	
Pelvis, Inflammation, Chronic Active												3			1											
Renal Tubule, Cyst						X						X												X		
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic																										
Inflammation, Chronic Active															2											
Polyarteritis Nodosa															2											
Transitional Epithelium, Hyperplasia																										

HARLAN SPRAGUE DAWLEY RATS MALE

75 mg/kg male

DAY ON TEST	0637	0433	0575	0575	0680	0730	0706	0687	0654	0731	0731	0653	0729	0708	0730	0676	0731	0730	0559	0731	0731	0447	0654	0557	0618	
ANIMAL ID	00076	00077	00078	00079	00080	00081	00082	00083	00084	00085	00086	00087	00088	00089	00090	00091	00092	00093	00094	00095	00096	00097	00098	00099	00100	*** TOTALS**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Erosion																										**4 1.5**
Infiltration Cellular, Lymphoid											2															**1 2.0**
Inflammation, Chronic																										**2 1.5**
Inflammation, Chronic Active																										**1 1.0**
Mineral																										**4 1.8**
Polyarteritis Nodosa			2		1														2							**8 1.8**
Ulcer																										**1 2.0**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infiltration Cellular, Lymphoid											2															**1 2.0**
Mineral																										**1 3.0**
Parasite Metazoan																										**2**
Polyarteritis Nodosa																										**2 1.5**
Lymphoid Tissue, Hyperplasia						2									3		2									**4 2.5**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parasite Metazoan						X		X																		**3**
Polyarteritis Nodosa																										**2 2.0**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Polyarteritis Nodosa																										**1 1.0**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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

HARLAN SPRAGUE DAWLEY RATS MALE

75 mg/kg male

DAY ON TEST	0637	0433	0575	0575	0680	0730	0706	0687	0654	0731	0731	0653	0729	0708	0730	0676	0731	0730	0559	0731	0731	0447	0654	0557	0618	* TOTALS	
ANIMAL ID	00076	00077	00078	00079	00080	00081	00082	00083	00084	00085	00086	00087	00088	00089	00090	00091	00092	00093	00094	00095	00096	00097	00098	00099	00100		
Polyarteritis Nodosa																			1							**1**	**1.0**
Peyer's Patch, Hyperplasia																										**1**	**2.0**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Basophilic Focus																										**2**	
Clear Cell Focus								X			X				X			X			X				**13**	
Eosinophilic Focus								X		X	X				X		X	X								**7**	
Extramedullary Hematopoiesis									2														1			**3**	**1.3**
Fatty Change, Focal																		2								**1**	**2.0**
Hepatodiaphragmatic Nodule																				X						**1**	
Inflammation, Granulomatous																										**1**	**4.0**
Mixed Cell Focus																										**1**	
Necrosis																										**3**	**2.3**
Bile Duct, Cyst					X						X												X			**4**	
Bile Duct, Dilation																							2			**1**	**2.0**
Bile Duct, Hyperplasia	1		1							1			1			1	1	1		2	1		1		1	**19**	**1.1**
Centrilobular, Necrosis												2														**1**	**2.0**
Mesentery				+																						**3**	
Hemorrhage				3																						**1**	**3.0**
Pigment																										**1**	**2.0**
Polyarteritis Nodosa																										**1**	**3.0**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Polyarteritis Nodosa						2													2							**6**	**1.8**
Acinus, Atrophy										1																**4**	**1.3**
Acinus, Hyperplasia					3			1						4	4			3			1					**9**	**2.8**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Atrophy																										**1**	**2.0**

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DAY ON TEST	063 7	043 3	057 5	057 5	068 0	073 0	070 6	068 7	065 4	073 1	073 1	065 3	072 9	070 8	073 0	067 6	073 1	073 0	055 9	073 1	073 1	044 7	065 4	055 7	061 8	
HARLAN SPRAGUE DAWLEY RATS MALE																										
75 mg/kg male																										
ANIMAL ID	00076	00077	00078	00079	00080	00081	00082	00083	00084	00085	00086	00087	00088	00089	00090	00091	00092	00093	00094	00095	00096	00097	00098	00099	00100	*** TOTALS**
Inflammation, Chronic Active		2																								**1 2.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst, Squamous																										**1**
Foreign Body													X													**1**
Infiltration Cellular, Lipocyte																										**1 1.0**
Inflammation, Acute																							1			**1 1.0**
Inflammation, Chronic Active																										**2 2.0**
Mineral			2																							**2 2.5**
Polyarteritis Nodosa																										**1 2.0**
Ulcer																										**1 2.0**
Epithelium, Hyperplasia				1								1	3			1										**6 1.7**
Epithelium, Hyperplasia, Basal Cell																										**1 2.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infiltration Cellular, Lipocyte																										**1 2.0**
Inflammation, Acute																										**1 2.0**
Mineral	2		3		2													4		1				2		**16 2.6**
Tongue			+																							**1**
Edema			3																							**1 3.0**
Inflammation, Chronic Active			2																							**1 2.0**
Tooth																										**3**
Metaplasia, Osseous																										**1 1.0**
Dentine, Degeneration																										**2 2.5**
Pulp, Inflammation, Chronic																										**1 2.0**

CARDIOVASCULAR SYSTEM

HARLAN SPRAGUE DAWLEY RATS MALE

75 mg/kg male

DAY ON TEST	0637	0433	0575	0575	0680	0730	0706	0687	0654	0731	0731	0653	0729	0708	0730	0676	0731	0730	0559	0731	0731	0447	0654	0557	0618	
ANIMAL ID	00076	00077	00078	00079	00080	00081	00082	00083	00084	00085	00086	00087	00088	00089	00090	00091	00092	00093	00094	00095	00096	00097	00098	00099	00100	*** TOTALS**
Blood Vessel		+	+	+	+		+	+	+	+	+		+	+	+	+		+						+	+	**33**
Aneurysm																										**1 3.0**
Mineral			2		2											1		2						3		**15 2.2**
Aorta, Dilation																										**2 3.0**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	3	1	3	1	2	1	2	1		1		1		1		1	1	1	2	1		1	2	4		**40 1.8**
Inflammation, Acute																										**1 1.0**
Mineral	3		2																					3		**8 2.0**
Polyarteritis Nodosa						2																				**1 2.0**
Thrombus																										**1**
Atrium, Thrombus																										**1**
Perivascular, Infiltration Cellular, Lymphocyte																										**1 2.0**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Degeneration, Cystic										1					1											**4 1.0**
Hyperplasia, Focal			2							1									1		1	1		1		**10 1.6**
Necrosis												3														**3 1.7**
Thrombus																										**2**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia, Focal						2				1					1		1									**9 1.6**
Bilateral, Hyperplasia, Focal								2																		**2 2.5**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia												2									3		1			**3 2.0**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	M	+	+	+	**47**

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HARLAN SPRAGUE DAWLEY RATS MALE																										
75 mg/kg male ANIMAL ID	00076	00077	00078	00079	00080	00081	00082	00083	00084	00085	00086	00087	00088	00089	00090	00091	00092	00093	00094	00095	00096	00097	00098	00099	00100	*** TOTALS**
Hyperplasia, Diffuse	4		3		4				2			3		3					3				4	3	2	**24 2.9**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pars Distalis, Hyperplasia			2		2			1		1		1		2						1						**15 1.5**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Polyarteritis Nodosa																				2						**1 2.0**
C-cell, Hyperplasia								2	1		2	2							1		3					**10 2.0**
GENERAL BODY SYSTEM																										
NONE																										
GENITAL SYSTEM																										
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy	2											2														**2 2.0**
Granuloma Sperm		4																								**1 4.0**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia						1	1																			**3 1.0**
Inflammation, Chronic													1													**1 1.0**
Inflammation, Chronic Active					1											2										**6 1.7**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active																										**2 2.5**
Mineral																										**1 2.0**
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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HARLAN SPRAGUE DAWLEY RATS MALE																										
75 mg/kg male																										
ANIMAL ID	000 076	000 077	000 078	000 079	000 080	000 081	000 082	000 083	000 084	000 085	000 086	000 087	000 088	000 089	000 090	000 091	000 092	000 093	000 094	000 095	000 096	000 097	000 098	000 099	001 00	*** TOTALS**
Polyarteritis Nodosa					1	2						1				2	2	2	2	3	1		1			**25 1.8**
Bilateral, Germinal Epithelium, Degeneration	1		1		3				3			4				3		2	3	3				3		**21 2.3**
Germinal Epithelium, Degeneration																	1									**5 1.2**
Interstitial Cell, Hyperplasia						2																				**2 2.0**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage	2		2												1			3	1	1	1			4		**19 1.9**
Hypercellularity	2				2				4			2	3			3	2	3		1			2		3	**27 2.1**
Myelofibrosis																										**2 1.0**
Lymph Node	+			+		+																				**4**
Mediastinal, Hemorrhage	2																									**1 2.0**
Renal, Hemorrhage						2																				**1 2.0**
Renal, Pigment						2																				**1 2.0**
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infiltration Cellular, Plasma Cell																							2			**2 2.5**
Inflammation																			2						3	**2 2.5**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia, Lymphoid																										**1 3.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Extramedullary Hematopoiesis	2	2			3	2	2	1	4	2	2	3	3	2	2	2	1	2	1	1	2	2	3		3	**41 2.0**
Hemorrhage																										**1 3.0**
Pigment	1	1	2			1	1	2		1	1	1	1	2	1		2		2		1	1		1	1	**39 1.3**
White Pulp, Atrophy	4		4									3						4	3					4		**19 3.3**

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HARLAN SPRAGUE DAWLEY RATS MALE

75 mg/kg male

DAY ON TEST	063 7	043 3	057 5	057 5	068 0	073 0	070 6	068 7	065 4	073 1	073 1	065 3	072 9	070 8	073 0	067 6	073 1	073 0	055 9	073 1	073 1	044 7	065 4	055 7	061 8	
ANIMAL ID	000 776	000 777	000 778	000 779	000 880	000 881	000 882	000 883	000 884	000 885	000 886	000 887	000 888	000 889	000 890	000 891	000 892	000 893	000 894	000 895	000 896	000 897	000 898	000 899	001 000	* TOTALS
Thymus	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Atrophy	4	1	4		3		2		3	1	2	4	2			2	1	4	2	2	2	1	4	4	4	**41 2.7**
Ectopic Parathyroid Gland																										**1 2.0**
Polyarteritis Nodosa																					1					**1 1.0**
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	**48**
Hyperplasia																										**1 2.0**
Mineral																										**1 2.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst Epithelial Inclusion									X																	**2**
Inflammation, Chronic Active																										**1 4.0**
Ulcer																										**1 4.0**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst																										**1**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage				4																						**2 2.5**
Necrosis																			2							**1 2.0**
Nerve Trigeminal																										**1**
Peripheral Nerve																										**1**

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HARLAN SPRAGUE DAWLEY RATS MALE

75 mg/kg male

DAY ON TEST	0637	0433	0575	0575	0680	0730	0706	0687	0654	0731	0731	0653	0729	0708	0730	0676	0731	0730	0559	0731	0731	0447	0654	0557	0618	
ANIMAL ID	00076	00077	00078	00079	00080	00081	00082	00083	00084	00085	00086	00087	00088	00089	00090	00091	00092	00093	00094	00095	00096	00097	00098	00099	00100	*** TOTALS**
Spinal Cord																										**1**
Hemorrhage																										**1 3.0**
Axon, Degeneration																										**1 2.0**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage																							2			**2 3.0**
Infiltration Cellular, Histiocyte	1	1							1	1	1	3	1	1			1					1	3			**19 1.5**
Inflammation, Granulomatous								1							1					1	1		1			**9 1.0**
Inflammation, Acute																		1	1							**4 1.3**
Mineral			2		1																			1		**11 1.9**
Squamous Metaplasia																										**1 2.0**
Alveolar Epithelium, Hyperplasia																										**1 1.0**
Alveolus, Fibrosis																										**1 1.0**
Bronchiole, Fibrosis																										**1 2.0**
Bronchiole, Foreign Body																			X							**1**
Interstitium, Fibrosis																	1									**1 1.0**
Perivascular, Inflammation, Chronic																										**1 2.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body																					X					**1**
Inflammation, Suppurative																			4				2			**6 2.2**
Inflammation, Chronic Active							1														1					**4 1.5**
Nasolacrimal Duct, Inflammation, Suppurative												3														**1 3.0**
Nasolacrimal Duct, Inflammation, Chronic														1				1								**4 1.3**
Nasolacrimal Duct, Inflammation, Chronic Active													1								2				1	**4 1.3**
Nasopharyngeal Duct, Inflammation, Chronic Active																										**1 3.0**

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 75 mg/kg male / ANIMAL ID	0637	0433	0575	0575	0680	0730	0706	0687	0654	0731	0731	0653	0729	0708	0730	0676	0731	0730	0559	0731	0731	0447	0654	0557	0618	* TOTALS	
	00076	00077	00078	00079	00080	00081	00082	00083	00084	00085	00086	00087	00088	00089	00090	00091	00092	00093	00094	00095	00096	00097	00098	00099	00100		
Nasopharyngeal Duct, Squamous Metaplasia																										**1**	**3.0**
Olfactory Epithelium, Metaplasia, Respiratory							1																			**1**	**1.0**
Olfactory Epithelium, Squamous Metaplasia																					1					**1**	**1.0**
Respiratory Epithelium, Hyperplasia																										**1**	**1.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Mineral																										**1**	**2.0**
SPECIAL SENSES SYSTEM																											
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation, Chronic															1											**1**	**1.0**
Cornea, Inflammation, Acute												2									1			2		**5**	**1.6**
Cornea, Inflammation, Chronic						2																				**2**	**1.5**
Cornea, Inflammation, Chronic Active							2	2										2								**6**	**2.0**
Retina, Dysplasia																										**1**	**2.0**
Retina, Hyperplasia																										**1**	**2.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Metaplasia																										**1**	**1.0**
Zymbal's Gland													+													**1**	
URINARY SYSTEM																											
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Calculus Micro Observation Only																										**2**	
Hemorrhage																										**1**	**4.0**
Nephropathy, Chronic Progressive	4	3	4	3	4	4	4	3	3	3	2	4	3	4	4	4	4	4	4	4	3	3	4	4	4	**50**	**3.6**
Polyarteritis Nodosa																			1							**2**	**1.5**

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

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 75 mg/kg male / ANIMAL ID	0637	0433	0575	0575	0680	0730	0706	0687	0654	0731	0731	0653	0729	0708	0730	0676	0731	0730	0559	0731	0731	0447	0654	0557	0618	* TOTALS	
	00076	00077	00078	00079	00080	00081	00082	00083	00084	00085	00086	00087	00088	00089	00090	00091	00092	00093	00094	00095	00096	00097	00098	00099	00100		
Pelvis, Inflammation, Chronic Active																										**2**	**2.0**
Renal Tubule, Cyst																				X					X	**5**	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation, Chronic																2										**1**	**2.0**
Inflammation, Chronic Active																										**1**	**2.0**
Polyarteritis Nodosa																										**1**	**2.0**
Transitional Epithelium, Hyperplasia																2										**1**	**2.0**

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

DAY ON TEST	0731	0664	0730	0730	0730	0730	0711	0730	0618	0435	0694	0413	0730	0694	0730	0616	0595	0402	0589	0604	0606	0731	0730	0730	0609	
HARLAN SPRAGUE DAWLEY RATS MALE																										
250 mg/kg male ANIMAL ID	00101	00102	00103	00104	00105	00106	00107	00108	00109	00110	00111	00112	00113	00114	00115	00116	00117	00118	00119	00120	00121	00122	00123	00124	00125	**males (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mineral												1														
Polyarteritis Nodosa																					2					
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mineral																				1						
Parasite Metazoan																										
Polyarteritis Nodosa																	1									
Ulcer																				2						
Lymphoid Tissue, Hyperplasia					4																					
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan																								X		
Polyarteritis Nodosa																									1	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	
Polyarteritis Nodosa							3													1	1					
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Peyer's Patch, Hyperplasia																					4					
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Basophilic Focus																										
Clear Cell Focus	X		X	X	X	X	X	X	X						X						X	X	X	X		

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

HARLAN SPRAGUE DAWLEY RATS MALE

250 mg/kg male

DAY ON TEST	0731	0664	0730	0730	0730	0730	0711	0730	0618	0435	0694	0413	0730	0694	0730	0616	0595	0402	0589	0604	0606	0731	0730	0730	0609	
ANIMAL ID	00101	00102	00103	00104	00105	00106	00107	00108	00109	00110	00111	00112	00113	00114	00115	00116	00117	00118	00119	00120	00121	00122	00123	00124	00125	**males (cont...)**
Degeneration, Cystic														1												
Eosinophilic Focus									X																	
Extramedullary Hematopoiesis							1																			
Hepatodiaphragmatic Nodule							X									X										
Necrosis						1								1					3							
Bile Duct, Cyst					X																					
Bile Duct, Dilation						4																				
Bile Duct, Hyperplasia	2	1	1	1	1								1	1	1	1	1		1	1						
Mesentery																										
Fat, Necrosis																										
Oral Mucosa																										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Polyarteritis Nodosa	1						2							1							2	1				
Acinus, Atrophy																				1						
Acinus, Hyperplasia			4		3							2													3	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion														1												
Inflammation, Acute									1																	
Inflammation, Chronic																										
Inflammation, Chronic Active											2			1												
Mineral																										
Necrosis																										
Polyarteritis Nodosa																								1	1	
Ulcer									1												1					

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

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 250 mg/kg male / ANIMAL ID	0731 0101	0664 0102	0730 0103	0730 0104	0730 0105	0730 0106	0711 0107	0730 0108	0618 0109	0435 0110	0694 0111	0413 0112	0730 0113	0694 0114	0730 0115	0616 0116	0595 0117	0402 0118	0589 0119	0604 0120	0606 0121	0731 0122	0730 0123	0730 0124	0609 0125	males (cont...)
Epithelium, Hyperplasia										1	2															
Epithelium, Hyperplasia, Basal Cell																1										
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mineral		2							1			2				1		3		3	2					
Polyarteritis Nodosa																										
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+			+	+	+	+	+	+	+			+	+		+	+	+	+	+	+			
Mineral	1	2					1		1			1						1		2	2	1				
Aorta, Dilation		2																								
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	1	2	1		1		1		3	1	1	2	1	1	1		1	3	1	3	2	1		1	1	
Mineral									1																	
Atrium, Thrombus							X		X										X							
Perivascular, Infiltration Cellular, Lymphocyte					1																1					
Valve, Inflammation, Chronic																										
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Amyloid Deposition, Focal						1																				
Degeneration, Cystic											1				1						1			1		
Hyperplasia, Focal	1			1																			1	1		
Necrosis																				2	2				1	
Bilateral, Hyperplasia, Focal																						2				
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	0731	0664	0730	0730	0730	0730	0711	0730	0618	0435	0694	0413	0730	0694	0730	0616	0595	0402	0589	0604	0606	0731	0730	0730	0609	
HARLAN SPRAGUE DAWLEY RATS MALE																										
250 mg/kg male ANIMAL ID	00101	00102	00103	00104	00105	00106	00107	00108	00109	00110	00111	00112	00113	00114	00115	00116	00117	00118	00119	00120	00121	00122	00123	00124	00125	**males (cont...)**
Hyperplasia, Focal								4						2			1			2						
Bilateral, Hyperplasia, Focal		3	2																							
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										
Parathyroid Gland	+	+	M	M	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	
Hyperplasia, Diffuse		4					3		4			3					2			2	1				2	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Hyperplasia		1	3												1								1	1	3	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia			2					2			3			4										3		
GENERAL BODY SYSTEM																										
NONE																										
GENITAL SYSTEM																										
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active											1															
Polyarteritis Nodosa				1	1																					
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Duct, Hyperplasia, Squamous																										
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia													1				1									
Inflammation, Chronic			1																							

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2) Mild 4) Marked

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 250 mg/kg male / ANIMAL ID	0731 0011	0664 0012	0730 0013	0730 0014	0730 0015	0730 0016	0711 0017	0730 0018	0618 0019	0435 0110	0694 0111	0413 0112	0730 0113	0694 0114	0730 0115	0616 0116	0595 0117	0402 0118	0589 0119	0604 0120	0606 0121	0731 0122	0730 0123	0730 0124	0609 0125	males (cont...)
Inflammation, Chronic Active				2							2					3										
Polyarteritis Nodosa				1									1													
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active				1																						
Metaplasia, Squamous																										
Polyarteritis Nodosa				1																						
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Polyarteritis Nodosa		1		2	2		3					1	2				2			1	2	1		2	3	
Bilateral, Germinal Epithelium, Degeneration		1			1		1				2	4	1							3	1				2	
Germinal Epithelium, Degeneration									1									1	4			2		1		
Interstitial Cell, Hyperplasia																						2				
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage		1							1			4		1				4		2		1		1		
Hypercellularity		3	2	2	1		2		2	4	1		2	2		4	1		3	3	1	1	2	1	1	
Lymph Node					+																			+		
Lumbar, Hemorrhage					2																					
Lumbar, Infiltration Cellular, Histiocyte					2																					
Lumbar, Pigment					2																					
Pancreatic, Infiltration Cellular, Plasma Cell																										
Renal, Hemorrhage																								2		
Renal, Pigment																								2		
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																4										

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DAY ON TEST	0731	0664	0730	0730	0730	0730	0711	0730	0618	0435	0694	0413	0730	0694	0730	0616	0595	0402	0589	0604	0606	0731	0730	0730	0609	
HARLAN SPRAGUE DAWLEY RATS MALE																										
250 mg/kg male ANIMAL ID	00101	00102	00103	00104	00105	00106	00107	00108	00109	00110	00111	00112	00113	00114	00115	00116	00117	00118	00119	00120	00121	00122	00123	00124	00125	**males (cont...)**
Ectasia																						4				
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	
Extramedullary Hematopoiesis	2	3	2	2	2	2	3	2	3	2	1		2	1	2	3	2		3	2		2	2	1		
Pigment	1	1	1	1	1	1	1	1		1	2	2	1	2	1		2	2			2	1	1	1		
White Pulp, Atrophy		2							3		2	4				2		4	2	3	1					
Thymus	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	
Atrophy	1		1	1	2	2	4	2	3	3	3	4	3	2	2		2	4	4	4	2		2	1	1	
Cyst																										
Ectopic Parathyroid Gland																										
Polyarteritis Nodosa																	1									
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia										2																
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion																	X									
Inflammation, Granulomatous													3													
Inflammation, Chronic Active				3																						
Ulcer				2																						
Subcutaneous Tissue, Polyarteritis Nodosa																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	0731	0664	0730	0730	0730	0730	0711	0730	0618	0435	0694	0413	0730	0694	0730	0616	0595	0402	0589	0604	0606	0731	0730	0730	0609	
HARLAN SPRAGUE DAWLEY RATS MALE																										
250 mg/kg male ANIMAL ID	00101	00102	00103	00104	00105	00106	00107	00108	00109	00110	00111	00112	00113	00114	00115	00116	00117	00118	00119	00120	00121	00122	00123	00124	00125	**males (cont...)**
Fibrous Osteodystrophy									1																	
Osteopetrosis		1																								
Cartilage, Joint, Degeneration																								1		
Skeletal Muscle																							+			
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																								1		
Gliosis																								1		
Necrosis																					4					
Thrombus																								X		
Peripheral Nerve							+																			
Axon, Sciatic, Degeneration							1																			
Axon, Tibial, Degeneration							1																			
Axon, Trigeminal, Degeneration							2																			
Spinal Cord							+																			
Gliosis							2																			
Axon, Degeneration							2																			
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Histiocyte	1		1		1	1	3	2	4	2	2			1		1			1		1		2	1	1
Inflammation, Granulomatous		1	1			2									1								2	1	
Inflammation, Acute							1																			
Inflammation, Chronic Active													3													

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DAY ON TEST	0731	0664	0730	0730	0730	0730	0711	0730	0618	0435	0694	0413	0730	0694	0730	0616	0595	0402	0589	0604	0606	0731	0730	0730	0609	
HARLAN SPRAGUE DAWLEY RATS MALE																										
250 mg/kg male ANIMAL ID	00101	00102	00103	00104	00105	00106	00107	00108	00109	00110	00111	00112	00113	00114	00115	00116	00117	00118	00119	00120	00121	00122	00123	00124	00125	**males (cont...)**
Mineral																		3								
Alveolar Epithelium, Hyperplasia					1																					
Bronchiole, Fibrosis									1																	
Peribronchiolar, Fibrosis													2													
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body																										
Inflammation, Acute													1													
Inflammation, Chronic							1								1											
Inflammation, Chronic Active																										
Nasolacrimal Duct, Inflammation, Chronic	1																									
Nasolacrimal Duct, Inflammation, Chronic Active																		1			1					
Respiratory Epithelium, Hyperplasia																										
Respiratory Epithelium, Squamous Metaplasia															2											
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Acute											2															
Cornea, Inflammation, Acute									2																	
Cornea, Inflammation, Chronic Active			1	2	3		3						1							2	4	2		2		
Retina, Degeneration																										
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																1										
Metaplasia																										

DAY ON TEST	0731	0644	0730	0730	0730	0730	0711	0730	0618	0435	0694	0413	0730	0694	0730	0616	0595	0402	0589	0604	0606	0731	0730	0730	0609	
HARLAN SPRAGUE DAWLEY RATS MALE																										
250 mg/kg male ANIMAL ID	00101	00102	00103	00104	00105	00106	00107	00108	00109	00110	00111	00112	00113	00114	00115	00116	00117	00118	00119	00120	00121	00122	00123	00124	00125	**males (cont...)**
Zymbal's Gland										+																
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Amphophilic/Vacuolar Hyperplasia										3																
Nephropathy, Chronic Progressive	4	4	4	4	4	4	4	2	4	2	4	4	4	4	2	1	4	4	4	4	4	3	3	4	4	
Pelvis, Inflammation, Acute											1															
Pelvis, Inflammation, Chronic Active				2																						
Renal Tubule, Cyst				X													X							X		
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Lymphocyte				2																						

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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
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DAY ON TEST	069	072	073	052	049	044	073	073	067	073	068	073	055	073	073	073	069	062	054	072	068	059	067	073	073	
HARLAN SPRAGUE DAWLEY RATS MALE	1	5	1	1	8	5	0	1	7	1	8	0	8	1	1	1	5	1	7	5	2	2	9	1	1	
250 mg/kg male	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	
ANIMAL ID	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	*** TOTALS**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Mineral																										**1 1.0**
Polyarteritis Nodosa																										**1 2.0**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Mineral																										**1 1.0**
Parasite Metazoan				X																						**1**
Polyarteritis Nodosa									1																	**2 1.0**
Ulcer																										**1 2.0**
Lymphoid Tissue, Hyperplasia														2												**2 3.0**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parasite Metazoan																										**1**
Polyarteritis Nodosa																										**1 1.0**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Polyarteritis Nodosa																										**3 1.7**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Peyer's Patch, Hyperplasia																										**1 4.0**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Basophilic Focus																							X			**1**
Clear Cell Focus		X					X	X		X		X		X	X	X					X			X	X	**24**

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HARLAN SPRAGUE DAWLEY RATS MALE

250 mg/kg male

DAY ON TEST	0693	0725	0731	0521	0498	0445	0730	0731	0677	0731	0688	0730	0558	0731	0731	0731	0695	0621	0547	0725	0682	0592	0679	0731	0731	
ANIMAL ID	00126	00127	00128	00129	00130	00131	00132	00133	00134	00135	00136	00137	00138	00139	00140	00141	00142	00143	00144	00145	00146	00147	00148	00149	00150	*** TOTALS**
Degeneration, Cystic								1																		**2 1.0**
Eosinophilic Focus																		X								**2**
Extramedullary Hematopoiesis																										**1 1.0**
Hepatodiaphragmatic Nodule																										**2**
Necrosis																			2							**4 1.8**
Bile Duct, Cyst																										**1**
Bile Duct, Dilation																										**1 4.0**
Bile Duct, Hyperplasia			1	1				1		1	1	1		1	1	1		1	1		1			1		**25 1.0**
Mesentery											+															**1**
Fat, Necrosis											2															**1 2.0**
Oral Mucosa																	+									**1**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Polyarteritis Nodosa							1																1			**7 1.3**
Acinus, Atrophy																										**1 1.0**
Acinus, Hyperplasia							4			4				4					3							**8 3.4**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Erosion																										**1 1.0**
Inflammation, Acute						1																				**2 1.0**
Inflammation, Chronic																	1									**1 1.0**
Inflammation, Chronic Active																				2						**3 1.7**
Mineral						1																				**1 1.0**
Necrosis						1																				**1 1.0**
Polyarteritis Nodosa																										**2 1.0**
Ulcer	1																									**3 1.0**

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

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 250 mg/kg male / ANIMAL ID	0693	0725	0731	0521	0498	0445	0730	0731	0677	0731	0688	0730	0558	0731	0731	0731	0695	0621	0547	0725	0682	0592	0679	0731	0731	* TOTALS	
	00126	00127	00128	00129	00130	00131	00132	00133	00134	00135	00136	00137	00138	00139	00140	00141	00142	00143	00144	00145	00146	00147	00148	00149	00150		
Epithelium, Hyperplasia											4						3			1						**5**	**2.2**
Epithelium, Hyperplasia, Basal Cell																										**1**	**1.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Mineral		1																3	1							**10**	**1.9**
Polyarteritis Nodosa							2																			**1**	**2.0**
CARDIOVASCULAR SYSTEM																											
Blood Vessel				+	+	+		+		+		+				+	+	+	+		+	+		+	+	**32**	
Mineral												1					1	2	1							**13**	**1.3**
Aorta, Dilation																										**1**	**2.0**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cardiomyopathy	2	1			1	2	2		2	1	1	1	1	1	1		1	2	2	1		1	2	2	1	**40**	**1.4**
Mineral																										**1**	**1.0**
Atrium, Thrombus											X															**4**	
Perivascular, Infiltration Cellular, Lymphocyte																										**2**	**1.0**
Valve, Inflammation, Chronic															1											**1**	**1.0**
ENDOCRINE SYSTEM																											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Amyloid Deposition, Focal																										**1**	**1.0**
Degeneration, Cystic											1															**5**	**1.0**
Hyperplasia, Focal										1													1	1	2	**8**	**1.1**
Necrosis																		1								**4**	**1.5**
Bilateral, Hyperplasia, Focal																										**1**	**2.0**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	

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DAY ON TEST	0693	0725	0731	0521	0498	0445	0730	0731	0677	0731	0688	0730	0558	0731	0731	0731	0695	0621	0547	0725	0682	0592	0679	0731	0731	
HARLAN SPRAGUE DAWLEY RATS MALE																										
250 mg/kg male																										
ANIMAL ID	00126	00127	00128	00129	00130	00131	00132	00133	00134	00135	00136	00137	00138	00139	00140	00141	00142	00143	00144	00145	00146	00147	00148	00149	00150	*** TOTALS**
Hyperplasia, Focal		2							4			2	1		3		1		4					2	1	**13 2.2**
Bilateral, Hyperplasia, Focal																							2			**3 2.3**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																1										**1 1.0**
Parathyroid Gland	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	**44**
Hyperplasia, Diffuse		2						3	2		1		2				3	1	1							**16 2.3**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pars Distalis, Hyperplasia	2	1					1	1			2			1	4	2							2			**15 1.7**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Hyperplasia	4		4													3						3				**9 3.1**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active																										**1 1.0**
Polyarteritis Nodosa																										**2 1.0**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Duct, Hyperplasia, Squamous		3																								**1 3.0**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia																										**2 1.0**
Inflammation, Chronic								1			1	1					1									**5 1.0**

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DAY ON TEST	069	072	073	052	049	044	073	073	067	073	068	073	055	073	073	073	069	062	054	072	068	059	067	073	073	
HARLAN SPRAGUE DAWLEY RATS MALE	5	5	1	1	8	5	0	1	7	1	8	0	8	1	1	1	5	1	7	5	2	2	9	1	1	
250 mg/kg male	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	
ANIMAL ID	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, Chronic Active																				1						**4 2.0**
Polyarteritis Nodosa																										**2 1.0**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic Active																										**1 1.0**
Metaplasia, Squamous																							2			**1 2.0**
Polyarteritis Nodosa																							1			**2 1.0**
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Polyarteritis Nodosa	3		1				3		3		1	2		1	2		1	1		2			2			**24 1.8**
Bilateral, Germinal Epithelium, Degeneration	4	2					1		4		2	3					2	1		2					3	**19 2.1**
Germinal Epithelium, Degeneration														3												**6 2.0**
Interstitial Cell, Hyperplasia									3																	**2 2.5**
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hemorrhage		4					1							1			3	4			1		1			**15 2.0**
Hypercellularity	2	3			1			2	1			1		1			2		2				2	1		**30 1.9**
Lymph Node							+																			**3**
Lumbar, Hemorrhage																										**1 2.0**
Lumbar, Infiltration Cellular, Histiocyte																										**1 2.0**
Lumbar, Pigment																										**1 2.0**
Pancreatic, Infiltration Cellular, Plasma Cell							2																			**1 2.0**
Renal, Hemorrhage																										**1 2.0**
Renal, Pigment																										**1 2.0**
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy																										**1 4.0**

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HARLAN SPRAGUE DAWLEY RATS MALE

250 mg/kg male

DAY ON TEST	0693	0725	0731	0521	0498	0445	0730	0731	0677	0731	0688	0730	0558	0731	0731	0731	0695	0621	0547	0725	0682	0592	0679	0731	0731	
ANIMAL ID	00126	00127	00128	00129	00130	00131	00132	00133	00134	00135	00136	00137	00138	00139	00140	00141	00142	00143	00144	00145	00146	00147	00148	00149	00150	* TOTALS
Ectasia					2																					2 3.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Extramedullary Hematopoiesis	2	1	2		2	1	2	3	3	2	3	2		2	2	2			1	1	2	2	2	2	2	42 2.0
Pigment	1	1	2	2	1	1	1	1		1	1	1	2	1	1	2	2	2	1	1	1	1	1		2	43 1.3
White Pulp, Atrophy		3				3											4	4								13 2.8
Thymus	M	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Atrophy		4		2	3	2		1	2	1	3	1	3	2	1	3	4	4	3	3	2	2	2	2	3	44 2.4
Cyst																		X								1
Ectopic Parathyroid Gland							X											X								2
Polyarteritis Nodosa																										1 1.0
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Hyperplasia																										1 2.0
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cyst Epithelial Inclusion																										1
Inflammation, Granulomatous																										1 3.0
Inflammation, Chronic Active																										1 3.0
Ulcer																										1 2.0
Subcutaneous Tissue, Polyarteritis Nodosa																							1			1 1.0
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 250 mg/kg male / ANIMAL ID	0693	0725	0731	0521	0498	0445	0730	0731	0677	0731	0688	0730	0558	0731	0731	0731	0695	0621	0547	0725	0682	0592	0679	0731	0731	* TOTALS
	00126	00127	00128	00129	00130	00131	00132	00133	00134	00135	00136	00137	00138	00139	00140	00141	00142	00143	00144	00145	00146	00147	00148	00149	00150	
Fibrous Osteodystrophy																										**1 1.0**
Osteopetrosis							1																			**2 1.0**
Cartilage, Joint, Degeneration																										**1 1.0**
Skeletal Muscle																										**1**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Edema																										**1 1.0**
Gliosis																							1			**2 1.0**
Necrosis						3																				**2 3.5**
Thrombus																										**1**
Peripheral Nerve																										**1**
Axon, Sciatic, Degeneration																										**1 1.0**
Axon, Tibial, Degeneration																										**1 1.0**
Axon, Trigeminal, Degeneration																										**1 2.0**
Spinal Cord																										**1**
Gliosis																										**1 2.0**
Axon, Degeneration																										**1 2.0**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infiltration Cellular, Histiocyte		4	1	1				1		1	3				1	2	1	1		1	1		2			**29 1.6**
Inflammation, Granulomatous			2								1	1	1			1		1					1			**13 1.2**
Inflammation, Acute																										**1 1.0**
Inflammation, Chronic Active																										**1 3.0**

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DAY ON TEST	069	072	073	052	049	044	073	073	067	073	068	073	055	073	073	073	069	062	054	072	068	059	067	073	073	
HARLAN SPRAGUE DAWLEY RATS MALE	5	5	1	1	8	5	0	1	7	1	8	0	8	1	1	1	5	1	7	5	2	2	9	1	1	
250 mg/kg 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	*** TOTALS**
	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	
Mineral																										**1 3.0**
Alveolar Epithelium, Hyperplasia	2																									**2 1.5**
Bronchiole, Fibrosis																										**1 1.0**
Peribronchiolar, Fibrosis																										**1 2.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Foreign Body																X										**1**
Inflammation, Acute	1																									**2 1.0**
Inflammation, Chronic																										**2 1.0**
Inflammation, Chronic Active																1							1		1	**3 1.0**
Nasolacrimal Duct, Inflammation, Chronic			1																							**2 1.0**
Nasolacrimal Duct, Inflammation, Chronic Active													1			2										**4 1.3**
Respiratory Epithelium, Hyperplasia														1												**1 1.0**
Respiratory Epithelium, Squamous Metaplasia																										**1 2.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Acute																										**1 2.0**
Cornea, Inflammation, Acute	2																									**2 2.0**
Cornea, Inflammation, Chronic Active												2			2											**11 2.2**
Retina, Degeneration										1																**1 1.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy							1																			**2 1.0**
Metaplasia							2																			**1 2.0**

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+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
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BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	693	725	731	521	498	445	730	731	677	731	688	730	558	731	731	731	695	621	547	725	682	592	679	731	731	
HARLAN SPRAGUE DAWLEY RATS MALE																										
250 mg/kg male																										
ANIMAL ID	00126	00127	00128	00129	00130	00131	00132	00133	00134	00135	00136	00137	00138	00139	00140	00141	00142	00143	00144	00145	00146	00147	00148	00149	00150	*** TOTALS**
Zymbal's Gland																										**1**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Amphophilic/Vacuolar Hyperplasia																										**1 3.0**
Nephropathy, Chronic Progressive	4	4	4	1	3	1	4	2	4	3	4	4	4	3	4	3	4	4	3	4	2	1	4	2	3	**50 3.4**
Pelvis, Inflammation, Acute																										**1 1.0**
Pelvis, Inflammation, Chronic Active																										**1 2.0**
Renal Tubule, Cyst							X																			**4**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infiltration Cellular, Lymphocyte																										**1 2.0**

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DAY ON TEST	0730	0613	0730	0502	0643	0725	0632	0586	0611	0564	0633	0598	0731	0693	0569	0682	0607	0718	0730	0442	0620	0650	0730	0663	0730	
HARLAN SPRAGUE DAWLEY RATS MALE																										
750 mg/kg male																										
ANIMAL ID	001511	001522	001533	001544	001555	001566	001577	001588	001599	001600	001611	001622	001633	001644	001655	001666	001677	001688	001699	001700	001711	001722	001733	001744	001755	**males (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion		3			1																					
Inflammation, Acute														1												
Inflammation, Chronic				2																						
Inflammation, Chronic Active		3			2																					
Mineral		3		1	2				1																	
Polyarteritis Nodosa		2			2				1																	
Ulcer																										
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																										
Parasite Metazoan			X																							
Polyarteritis Nodosa					1							2														
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan																							X			
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Polyarteritis Nodosa																										
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Polyarteritis Nodosa																										
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Polyarteritis Nodosa					2																					

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1) Minimal 3) Moderate
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HARLAN SPRAGUE DAWLEY RATS MALE

750 mg/kg male

DAY ON TEST	0730	0613	0730	0502	0643	0725	0632	0586	0611	0564	0633	0598	0731	0693	0569	0682	0607	0718	0730	0442	0620	0650	0730	0663	0730	
ANIMAL ID	00151	00152	00153	00154	00155	00156	00157	00158	00159	00160	00161	00162	00163	00164	00165	00166	00167	00168	00169	00170	00171	00172	00173	00174	00175	**males (cont...)**
Peyer's Patch, Hyperplasia																										
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Basophilic Focus		X										X	X													
Clear Cell Focus	X	X	X					X					X						X				X		X	
Degeneration, Cystic																										
Eosinophilic Focus																										
Extramedullary Hematopoiesis										1																
Fatty Change, Focal							1																			
Hepatodiaphragmatic Nodule													X													
Mixed Cell Focus																X										
Necrosis											1															
Polyarteritis Nodosa											1															
Bile Duct, Cyst	X																									
Bile Duct, Hyperplasia		1				1							1	2	1	1	1	1	1	2	1		1	1		
Bile Duct, Inflammation, Chronic Active																				2						
Centrilobular, Degeneration																										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Polyarteritis Nodosa	1	1										1		1							2					
Acinus, Atrophy						1	1																			
Acinus, Hyperplasia				3	1															1						
Duct, Cyst																										
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema		2																								
Inflammation, Chronic							2																			
Inflammation, Chronic Active			1			1																				

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2) Mild 4) Marked

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 750 mg/kg male / ANIMAL ID	0730 00151	0613 00152	0730 00153	0502 00154	0643 00155	0725 00156	0632 00157	0586 00158	0611 00159	0564 00160	0633 00161	0598 00162	0731 00163	0693 00164	0569 00165	0682 00166	0607 00167	0718 00168	0730 00169	0442 00170	0620 00171	0650 00172	0730 00173	0663 00174	0730 00175	males (cont...)
Polyarteritis Nodosa																										
Epithelium, Hyperplasia			2			2	3																			
Epithelium, Hyperplasia, Basal Cell																										
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mineral		4		3	3				3					1					1					2		
CARDIOVASCULAR SYSTEM																										
Blood Vessel		+	+	+	+	+		+		+		+			+		+	+	+				+	+	+	
Mineral		4		2	2							1			2									1		
Aorta, Dilation		3																								
Carotid Artery, Polyarteritis Nodosa																										
Pulmonary Artery, Thrombus																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	2	2	1	2	3	1	1	1	3			1		2		2		2		3	2	2		2	1	
Inflammation, Chronic Active											4															
Mineral									3						1											
Atrium, Thrombus																										
Valve, Thrombus											X															
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																										
Degeneration, Cystic									1					1												
Hyperplasia, Focal								2														1	1			
Necrosis											1									2						
Thrombus					X															X						

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DAY ON TEST	0730	0613	0730	0502	0643	0725	0632	0586	0611	0564	0633	0598	0731	0693	0569	0682	0607	0718	0730	0442	0620	0650	0730	0663	0730	
HARLAN SPRAGUE DAWLEY RATS MALE																										
750 mg/kg male																										
ANIMAL ID	00151	00152	00153	00154	00155	00156	00157	00158	00159	00160	00161	00162	00163	00164	00165	00166	00167	00168	00169	00170	00171	00172	00173	00174	00175	**males (cont...)**
Vacuolization Cytoplasmic																										
Bilateral, Hyperplasia, Focal													2				1									
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Focal	1	4		1		2						4	1			2			4						1	
Bilateral, Hyperplasia, Focal			2																							
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia											2												3			
Parathyroid Gland	+	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	
Hyperplasia, Diffuse	3			4					4			3			2	3				3			2			
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Hyperplasia	2					1	1			4	1															
Pars Nervosa, Thrombus																				X						
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Polyarteritis Nodosa													2													
C-cell, Hyperplasia							1				1										4			3		

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	0730	0613	0730	0502	0643	0725	0632	0586	0611	0564	0633	0598	0731	0693	0569	0682	0607	0718	0730	0442	0620	0650	0730	0663	0730	
HARLAN SPRAGUE DAWLEY RATS MALE																										
750 mg/kg male ANIMAL ID	001511	001522	001533	001544	001555	001566	001577	001588	001599	001600	001611	001622	001633	001644	001655	001666	001677	001688	001699	001700	001711	001722	001733	001744	001755	**males (cont...)**
Duct, Hyperplasia, Squamous																										
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										
Inflammation, Chronic											1												1			
Inflammation, Chronic Active						3																				
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active						3																				
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Edema																										
Granuloma Sperm																										
Polyarteritis Nodosa	2	2			2				1			3	2	1		2				1	2			1		
Bilateral, Germinal Epithelium, Degeneration		1			2				3			1				1										
Germinal Epithelium, Degeneration	1			4		1	3				1		1	1				1								
Interstitial Cell, Hyperplasia																										
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage		3		2	3	1			2		1		1	4	2	4			1	2	1					
Hypercellularity				3	2	1			1	4		2	2			2			2	2	1			2	1	
Necrosis																										
Lymph Node						+				+																
Lumbar, Hyperplasia, Plasma Cell						2																				
Lumbar, Lymphatic Sinus, Ectasia						2																				
Mediastinal, Hemorrhage						2																				
Mediastinal, Pigment						2																				

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 750 mg/kg male / ANIMAL ID	0730 00151	0613 00152	0730 00153	0502 00154	0643 00155	0725 00156	0632 00157	0586 00158	0611 00159	0564 00160	0633 00161	0598 00162	0731 00163	0693 00164	0569 00165	0682 00166	0607 00167	0718 00168	0730 00169	0442 00170	0620 00171	0650 00172	0730 00173	0663 00174	0730 00175	males (cont...)
Renal, Ectasia										4																
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Lymphoid						2																				
Infiltration Cellular, Plasma Cell						2												2								
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Extramedullary Hematopoiesis	3		2		2	3	1	2		3	2	2	2	2				2	3	2	2	2	1		2	
Necrosis																										
Pigment	1	2	1	1	2		1	2	2		1	1	1	1	1	2	2	1		1	2	1	1		2	
White Pulp, Atrophy		4		4	1				4			3		4	4	4	3			3						
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	1	4		4	4	3	4	2	4	3	3	3		4	3	3	3	4		4		2		4	1	
Hyperplasia, Lymphoid																										
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst Epithelial Inclusion																								X		
Edema		2																								
Foreign Body					X																					
Hemorrhage																				2						
Inflammation, Granulomatous					2																					
Inflammation, Chronic Active						4												3	3							

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DAY ON TEST	0730	0613	0730	0502	0643	0725	0632	0586	0611	0564	0633	0598	0731	0693	0569	0682	0607	0718	0730	0442	0620	0650	0730	0663	0730	
HARLAN SPRAGUE DAWLEY RATS MALE																										
750 mg/kg 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...)**
Ulcer						4												3	4	2						
Epidermis, Hyperplasia						2													1	2						
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Osteopetrosis																										
Skeletal Muscle																		+								
Degeneration																		2								
Polyarteritis Nodosa																										
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Gliosis										2																
Inflammation, Chronic Active											2															
Necrosis												2						3								
Peripheral Nerve																		+								
Degeneration																		2								
Axon, Sciatic, Degeneration																		2								
Axon, Tibial, Degeneration																		3								
Axon, Trigeminal, Degeneration																		2								
Trigeminal, Fibrosis																		2								
Spinal Cord																		+								
Axon, Degeneration																		2								
RESPIRATORY SYSTEM																										

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DAY ON TEST	0730	0613	0730	0502	0643	0725	0632	0586	0611	0564	0633	0598	0731	0693	0569	0682	0607	0718	0730	0442	0620	0650	0730	0663	0730	
HARLAN SPRAGUE DAWLEY RATS MALE																										
750 mg/kg male																										
ANIMAL ID	00151	00152	00153	00154	00155	00156	00157	00158	00159	00160	00161	00162	00163	00164	00165	00166	00167	00168	00169	00170	00171	00172	00173	00174	00175	**males (cont...)**
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Histiocyte	1		2	2		3		1		1				4		1	1		2			2	1	1	2	
Inflammation, Granulomatous							1	1								1				1				1		
Inflammation, Acute																										
Inflammation, Chronic Active						3																				
Mineral		1			1				1																	
Polyarteritis Nodosa															2											
Thrombus															X											
Alveolar Epithelium, Hyperplasia																		1					1			
Alveolar Epithelium, Hypertrophy															1											
Bronchiole, Fibrosis						2																				
Interstitium, Fibrosis																				2						
Pleura, Fibrosis															1											
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative										1		1														
Inflammation, Chronic Active					2	1																				
Nasolacrimal Duct, Inflammation, Chronic																						1			1	
Nasolacrimal Duct, Inflammation, Chronic Active					3										2	1				1						
Olfactory Epithelium, Degeneration																										
Respiratory Epithelium, Hyperplasia																										
Respiratory Epithelium, Squamous Metaplasia																										
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cornea, Inflammation, Acute												1				2								2		

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 750 mg/kg male / ANIMAL ID	0730 00151	0613 00152	0730 00153	0502 00154	0643 00155	0725 00156	0632 00157	0586 00158	0611 00159	0564 00160	0633 00161	0598 00162	0731 00163	0693 00164	0569 00165	0682 00166	0607 00167	0718 00168	0730 00169	0442 00170	0620 00171	0650 00172	0730 00173	0663 00174	0730 00175	males (cont...)
Cornea, Inflammation, Chronic															4											
Cornea, Inflammation, Chronic Active	1		1			1																				
Optic Nerve, Polyarteritis Nodosa																										
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																										
Inflammation, Suppurative															3											
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Amphophilic/Vacuolar Hyperplasia										3																
Cyst																										
Hemorrhage																2										
Infarct																										
Inflammation, Chronic																										
Nephropathy, Chronic Progressive	3	4	3	4	4	4	3	3	4	2	3	4	3	4	1	4	3	3	3	4	4	2	3	4	2	
Renal Tubule, Accumulation, Hyaline Droplet											1															
Renal Tubule, Cyst					X									X		X										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic						2																				
Polyarteritis Nodosa																										

DAY ON TEST	071 1	073 1	043 4	067 2	071 3	073 1	073 1	073 1	065 0	073 0	044 9	073 0	064 3	066 9	052 0	070 5	044 1	073 1	073 1	055 4	065 3	061 4	073 1	067 4	073 1	
HARLAN SPRAGUE DAWLEY RATS MALE																										
750 mg/kg male ANIMAL ID	001 76	001 77	001 78	001 79	001 80	001 81	001 82	001 83	001 84	001 85	001 86	001 87	001 88	001 89	001 90	001 91	001 92	001 93	001 94	001 95	001 96	001 97	001 98	001 99	002 00	*** TOTALS**

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Large, Cecum	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Erosion																										**2**	**2.0**
Inflammation, Acute																										**1**	**1.0**
Inflammation, Chronic																										**1**	**2.0**
Inflammation, Chronic Active																				3						**3**	**2.7**
Mineral																				1						**5**	**1.6**
Polyarteritis Nodosa																				2						**4**	**1.8**
Ulcer																				3						**1**	**3.0**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation, Chronic Active														1												**1**	**1.0**
Parasite Metazoan																										**1**	
Polyarteritis Nodosa																						1				**3**	**1.3**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Parasite Metazoan										X																**2**	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Polyarteritis Nodosa		2																								**1**	**2.0**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Polyarteritis Nodosa																			1							**1**	**1.0**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Polyarteritis Nodosa																										**1**	**2.0**

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2) Mild 4) Marked

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 750 mg/kg male / ANIMAL ID	0711 0176	0731 0177	0434 0178	0672 0179	0713 0180	0731 0181	0731 0182	0731 0183	0650 0184	0730 0185	0449 0186	0730 0187	0643 0188	0669 0189	0520 0190	0705 0191	0441 0192	0731 0193	0731 0194	0554 0195	0653 0196	0614 0197	0731 0198	0674 0199	0731 0200	* TOTALS	
Peyer's Patch, Hyperplasia						3																				**1**	**3.0**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Basophilic Focus						X																				**4**	
Clear Cell Focus						X	X	X	X	X		X						X					X		X	**17**	
Degeneration, Cystic														1												**1**	**1.0**
Eosinophilic Focus																			X							**1**	
Extramedullary Hematopoiesis													2		1											**3**	**1.3**
Fatty Change, Focal																										**1**	**1.0**
Hepatodiaphragmatic Nodule					X							X														**3**	
Mixed Cell Focus												X														**2**	
Necrosis				4																						**2**	**2.5**
Polyarteritis Nodosa																										**1**	**1.0**
Bile Duct, Cyst																										**1**	
Bile Duct, Hyperplasia					1			1				1						1						1		**18**	**1.1**
Bile Duct, Inflammation, Chronic Active																										**1**	**2.0**
Centrilobular, Degeneration																	2									**1**	**2.0**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Polyarteritis Nodosa	2	3																	1		1	2				**10**	**1.5**
Acinus, Atrophy						1																			2	**4**	**1.3**
Acinus, Hyperplasia										4						1			1							**6**	**1.8**
Duct, Cyst														X												**1**	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Edema																										**1**	**2.0**
Inflammation, Chronic																										**1**	**2.0**
Inflammation, Chronic Active																										**2**	**1.0**

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DAY ON TEST	071 1	073 1	043 4	067 2	071 3	073 1	073 1	073 1	065 0	073 0	044 9	073 0	064 3	066 9	052 0	070 5	044 1	073 1	073 1	055 4	065 3	061 4	073 1	067 4	073 1	
HARLAN SPRAGUE DAWLEY RATS MALE																										
750 mg/kg male ANIMAL ID	001 76	001 77	001 78	001 79	001 80	001 81	001 82	001 83	001 84	001 85	001 86	001 87	001 88	001 89	001 90	001 91	001 92	001 93	001 94	001 95	001 96	001 97	001 98	001 99	002 00	*** TOTALS**
Polyarteritis Nodosa		2																								**1 2.0**
Epithelium, Hyperplasia								1			1							1						2		**7 1.7**
Epithelium, Hyperplasia, Basal Cell																2										**1 2.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Mineral				2	2															3						**10 2.4**
CARDIOVASCULAR SYSTEM																										
Blood Vessel		+	+	+	+		+		+	+	+	+	+	+	+	+	+			+		+	+		+	**33**
Mineral		1		2	2				1											4						**11 2.0**
Aorta, Dilation																										**1 3.0**
Carotid Artery, Polyarteritis Nodosa										2																**1 2.0**
Pulmonary Artery, Thrombus																						X				**1**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy	2	2	1	2	1			1		1	2	1		1	2	2		2	2	3	1	2	1		1	**37 1.7**
Inflammation, Chronic Active																										**1 4.0**
Mineral																				1						**3 1.7**
Atrium, Thrombus									X		X				X											**3**
Valve, Thrombus																										**1**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis		2																								**1 2.0**
Degeneration, Cystic					1	1																				**4 1.0**
Hyperplasia, Focal						3		2				1				2			2				1			**9 1.7**
Necrosis											1															**3 1.3**
Thrombus		X							X																	**4**

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HARLAN SPRAGUE DAWLEY RATS MALE																										
750 mg/kg male																										
ANIMAL ID	001 76	001 77	001 78	001 79	001 80	001 81	001 82	001 83	001 84	001 85	001 86	001 87	001 88	001 89	001 90	001 91	001 92	001 93	001 94	001 95	001 96	001 97	001 98	001 99	002 00	*** TOTALS**
Vacuolization Cytoplasmic							2																			**1 2.0**
Bilateral, Hyperplasia, Focal			1		1		1																			**5 1.2**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia, Focal		1					3							2					2	1	1					**15 2.0**
Bilateral, Hyperplasia, Focal										3		3						3								**4 2.8**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia								2																		**3 2.3**
Parathyroid Gland	M	+	M	+	+	M	M	+	M	M	+	+	+	+	M	+	M	+	+	+	+	+	+	+	+	**39**
Hyperplasia, Diffuse				3	3													1		2	3	1				**14 2.6**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pars Distalis, Hyperplasia		1		3		1	4			1			1			2			2	3					1	**15 1.9**
Pars Nervosa, Thrombus																										**1**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Polyarteritis Nodosa																										**1 2.0**
C-cell, Hyperplasia																		4							3	**6 2.7**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy					2																					**1 2.0**
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 750 mg/kg male / ANIMAL ID	071 1 001 176	073 1 001 177	043 4 001 178	067 2 001 179	071 3 001 180	073 1 001 181	073 1 001 182	073 1 001 183	065 0 001 184	073 0 001 185	044 9 001 186	073 0 001 187	064 3 001 188	066 9 001 189	052 0 001 190	070 5 001 191	044 1 001 192	073 1 001 193	073 1 001 194	055 4 001 195	065 3 001 196	061 4 001 197	073 1 001 198	067 4 001 199	073 1 002 00	* TOTALS	
Duct, Hyperplasia, Squamous																					2					**1**	**2.0**
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia							1	1				1														**3**	**1.0**
Inflammation, Chronic																										**2**	**1.0**
Inflammation, Chronic Active										2								1				1				**4**	**1.8**
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation, Chronic Active																										**1**	**3.0**
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Edema																		3								**1**	**3.0**
Granuloma Sperm																		1								**1**	**1.0**
Polyarteritis Nodosa	2	2		2	2	1		1	1	2									2	2	2	2				**23**	**1.7**
Bilateral, Germinal Epithelium, Degeneration				2	3										3			3	3							**10**	**2.2**
Germinal Epithelium, Degeneration		2				3			1	1	1		1							1				1		**16**	**1.5**
Interstitial Cell, Hyperplasia																									2	**1**	**2.0**
HEMATOPOIETIC SYSTEM																											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hemorrhage				4	4				4		4				2			1		2	1					**21**	**2.3**
Hypercellularity	1	2		2	2			1	2		2	1	3		2		1		1	2	2	3			1	**29**	**1.8**
Necrosis														3												**1**	**3.0**
Lymph Node														+				+								**4**	
Lumbar, Hyperplasia, Plasma Cell																										**1**	**2.0**
Lumbar, Lymphatic Sinus, Ectasia																										**1**	**2.0**
Mediastinal, Hemorrhage																										**1**	**2.0**
Mediastinal, Pigment																										**1**	**2.0**

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS MALE / 750 mg/kg male / ANIMAL ID	071 1 001 176	073 1 001 177	043 4 001 178	067 2 001 179	071 3 001 180	073 1 001 181	073 1 001 182	073 1 001 183	065 0 001 184	073 0 001 185	044 9 001 186	073 0 001 187	064 3 001 188	066 9 001 189	052 0 001 190	070 5 001 191	044 1 001 192	073 1 001 193	073 1 001 194	055 4 001 195	065 3 001 196	061 4 001 197	073 1 001 198	067 4 001 199	073 1 002 000	* TOTALS	
Renal, Ectasia																		3								**2**	**3.5**
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia, Lymphoid																										**1**	**2.0**
Infiltration Cellular, Plasma Cell																										**2**	**2.0**
Lymph Node, Mesenteric	+	M	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	**48**	
Atrophy																	4									**1**	**4.0**
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Extramedullary Hematopoiesis	2	3	2			2	2	2	2	2		2		2	3	2	2	2	2	2	2	2	2	2	2	**39**	**2.1**
Necrosis														3												**1**	**3.0**
Pigment	1	1	1	2	2	1	2	1		1		1			1	1		2		1	1	1	2	1	2	**40**	**1.4**
White Pulp, Atrophy				4	4				4		4				4		2			2						**17**	**3.4**
Thymus	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Atrophy		3	2		4	1	3	1	4	1	4		3	2	4	1	4	3	3	3	2	4		4		**40**	**3.0**
Hyperplasia, Lymphoid												2														**1**	**2.0**
INTEGUMENTARY SYSTEM																											
Mammary Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cyst Epithelial Inclusion																										**1**	
Edema																										**1**	**2.0**
Foreign Body																										**1**	
Hemorrhage																										**1**	**2.0**
Inflammation, Granulomatous																										**1**	**2.0**
Inflammation, Chronic Active																2						4		4		**6**	**3.3**

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DAY ON TEST	071	073	043	067	071	073	073	073	065	073	044	073	064	066	052	070	044	073	073	054	065	061	073	067	073	
HARLAN SPRAGUE DAWLEY RATS MALE	1	1	4	2	3	1	1	1	0	0	9	0	3	9	0	5	1	1	1	4	3	4	1	4	1	*** TOTALS**
750 mg/kg male ANIMAL ID	00176	00177	00178	00179	00180	00181	00182	00183	00184	00185	00186	00187	00188	00189	00190	00191	00192	00193	00194	00195	00196	00197	00198	00199	00200	
Ulcer																2										**5 3.0**
Epidermis, Hyperplasia																										**3 1.7**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Osteopetrosis														3												**1 3.0**
Skeletal Muscle														+							+					**3**
Degeneration																										**1 2.0**
Polyarteritis Nodosa																					1					**1 1.0**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Gliosis																										**1 2.0**
Inflammation, Chronic Active																										**1 2.0**
Necrosis																										**2 2.5**
Peripheral Nerve														+												**2**
Degeneration																										**1 2.0**
Axon, Sciatic, Degeneration																										**1 2.0**
Axon, Tibial, Degeneration																										**1 3.0**
Axon, Trigeminal, Degeneration														1												**2 1.5**
Trigeminal, Fibrosis																										**1 2.0**
Spinal Cord														+												**2**
Axon, Degeneration																										**1 2.0**
RESPIRATORY SYSTEM																										

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HARLAN SPRAGUE DAWLEY RATS MALE																										
750 mg/kg male																										
ANIMAL ID	001 76	001 77	001 78	001 79	001 80	001 81	001 82	001 83	001 84	001 85	001 86	001 87	001 88	001 89	001 90	001 91	001 92	001 93	001 94	001 95	001 96	001 97	001 98	001 99	002 00	*** TOTALS**
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infiltration Cellular, Histiocyte	1	2	1			1	1		2		4				3							1	1	1	1	**26 1.7**
Inflammation, Granulomatous															1	1			2						1	**9 1.1**
Inflammation, Acute											2															**1 2.0**
Inflammation, Chronic Active		2								1								1								**4 1.8**
Mineral					1															3						**5 1.4**
Polyarteritis Nodosa																										**1 2.0**
Thrombus															X											**2**
Alveolar Epithelium, Hyperplasia																										**2 1.0**
Alveolar Epithelium, Hypertrophy																										**1 1.0**
Bronchiole, Fibrosis																										**1 2.0**
Interstitium, Fibrosis																										**1 2.0**
Pleura, Fibrosis																										**1 1.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Suppurative																								4		**3 2.0**
Inflammation, Chronic Active							1			1																**4 1.3**
Nasolacrimal Duct, Inflammation, Chronic		1						1								1										**5 1.0**
Nasolacrimal Duct, Inflammation, Chronic Active																							1			**5 1.6**
Olfactory Epithelium, Degeneration																								2		**1 2.0**
Respiratory Epithelium, Hyperplasia							1																	2		**2 1.5**
Respiratory Epithelium, Squamous Metaplasia							1																			**1 1.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cornea, Inflammation, Acute																					1					**4 1.5**

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

DAY ON TEST	071 1	073 1	043 4	067 2	071 3	073 1	073 1	073 1	065 0	073 0	044 9	073 0	064 3	066 9	052 0	070 5	044 1	073 1	073 1	055 4	065 3	061 4	073 1	067 4	073 1	
HARLAN SPRAGUE DAWLEY RATS MALE																										
750 mg/kg male ANIMAL ID	001 76	001 77	001 78	001 79	001 80	001 81	001 82	001 83	001 84	001 85	001 86	001 87	001 88	001 89	001 90	001 91	001 92	001 93	001 94	001 95	001 96	001 97	001 98	001 99	002 00	*** TOTALS**
Cornea, Inflammation, Chronic	1																									**2 2.5**
Cornea, Inflammation, Chronic Active									3																	**4 1.5**
Optic Nerve, Polyarteritis Nodosa																					1					**1 1.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy		2																								**1 2.0**
Inflammation, Suppurative																										**1 3.0**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Amphophilic/Vacuolar Hyperplasia																										**1 3.0**
Cyst																					X					**1**
Hemorrhage																										**1 2.0**
Infarct													1													**1 1.0**
Inflammation, Chronic					1																					**1 1.0**
Nephropathy, Chronic Progressive	4	4	2	4	4	3	3	4	4	3	4	3	2	3	4	3	3	4	4	4	4	4	3	2	3	**50 3.3**
Renal Tubule, Accumulation, Hyaline Droplet													3													**2 2.0**
Renal Tubule, Cyst			X	X				X																		**6**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Chronic																										**1 2.0**
Polyarteritis Nodosa		2																								**1 2.0**

*** END OF MALE DATA ***

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

HARLAN SPRAGUE DAWLEY RATS FEMALE

0 mg/kg female

DAY ON TEST	0730	0730	0578	0730	0499	0606	0597	0730	0708	0730	0729	0729	0729	0729	0729	0600	0504	0730	0536	0730	0618	0729	0729	0677	0729
ANIMAL ID	00201	00202	00203	00204	00205	00206	00207	00208	00209	00210	00211	00212	00213	00214	00215	00216	00217	00218	00219	00220	00221	00222	00223	00224	00225

females (cont...)

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parasite Metazoan																									
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parasite Metazoan													X												
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis					2			2																	
Basophilic Focus							X																	X	
Clear Cell Focus	X	X		X						X					X			X		X	X	X	X		
Eosinophilic Focus									X												X	X			
Extramedullary Hematopoiesis					1											2									
Necrosis						2			2								2								
Bile Duct, Cyst							X													X					
Bile Duct, Hyperplasia												2	1	1	1									1	1
Centrilobular, Necrosis																									
Hepatocyte, Hyperplasia																									

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

DAY ON TEST	0730	0730	0578	0730	0499	0606	0597	0730	0708	0730	0729	0729	0729	0729	0729	0600	0504	0730	0536	0730	0618	0729	0729	0677	0729	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
0 mg/kg female ANIMAL ID	00201	00202	00203	00204	00205	00206	00207	00208	00209	00210	00211	00212	00213	00214	00215	00216	00217	00218	00219	00220	00221	00222	00223	00224	00225	**females (cont...)**
Oval Cell, Hyperplasia																										
Mesentery																										
Hemorrhage																										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Basophilic Focus																				X						
Polyarteritis Nodosa										1																
Acinus, Atrophy				1							1															
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Acute																										
Inflammation, Chronic						1																				
Inflammation, Chronic Active																					3					
Mineral																										
Ulcer																					2					
Epithelium, Hyperplasia																					3					
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mineral																									1	
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy			1																							

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DAY ON TEST	0730	0730	0578	0730	0499	0606	0597	0730	0708	0730	0729	0729	0729	0729	0729	0600	0504	0730	0536	0730	0618	0729	0729	0677	0729	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
0 mg/kg female ANIMAL ID	00201	00202	00203	00204	00205	00206	00207	00208	00209	00210	00211	00212	00213	00214	00215	00216	00217	00218	00219	00220	00221	00222	00223	00224	00225	**females (cont...)**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis		2																								
Degeneration, Cystic											2							1								
Hyperplasia, Focal					1																					
Hypertrophy, Focal																							2			
Infiltration Cellular, Lipocyte																										
Metaplasia, Osseous																										
Thrombus																										
Bilateral, Degeneration, Cystic				1																						
Bilateral, Hyperplasia, Focal																										
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Focal											2															
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																										
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Hyperplasia		3	3	1				1		2					2			2				2		2	2	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia		2								2	2		1		3			4	2							
Follicle, Cyst																										
GENERAL BODY SYSTEM																										

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DAY ON TEST	0730	0730	0578	0730	0499	0606	0597	0730	0708	0730	0729	0729	0729	0729	0729	0600	0504	0730	0536	0730	0618	0729	0729	0677	0729	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
0 mg/kg female																										
ANIMAL ID	00201	00202	00203	00204	00205	00206	00207	00208	00209	00210	00211	00212	00213	00214	00215	00216	00217	00218	00219	00220	00221	00222	00223	00224	00225	**females (cont...)**
NONE																										
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Squamous Metaplasia																										
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	2	2	3			2		2			2		2	2	3			2	1	2		2	2	2	1	
Cyst																					X					
Bursa, Cyst									X																	
Follicle, Cyst	X		X		X				X										X				X			
Follicle, Cyst, Multiple				X																						
Periovarian Tissue, Cyst															X											
Rete Ovarii, Cyst																										
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Dilation																								4		
Hemorrhage																								3		
Hyperplasia, Atypical	1																			1						
Inflammation, Acute																		1								
Inflammation, Chronic Active								1							1									2		
Squamous Metaplasia	1	1	2					3					1		1			2		2			2			
Thrombus													X													
Cervix, Hyperplasia, Squamous								2																		
Cervix, Hyperplasia, Stromal													4													
Cervix, Hypertrophy, Stromal																										
Endometrium, Hyperplasia, Cystic	4	1				1		2					2		2			1				1				
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	0730	0730	0578	0730	0499	0606	0597	0730	0708	0730	0729	0729	0729	0729	0729	0600	0504	0730	0536	0730	0618	0729	0729	0677	0729	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
0 mg/kg female ANIMAL ID	00201	00202	00203	00204	00205	00206	00207	00208	00209	00210	00211	00212	00213	00214	00215	00216	00217	00218	00219	00220	00221	00222	00223	00224	00225	**females (cont...)**
Inflammation, Acute																										
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage											2	1			2					1		1				
Hypercellularity			4		4	4	3	1	4		1	1	3		1	4	4			2	4			3		
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Extramedullary Hematopoiesis	2	2	3	2	3	3	3	2	3	2	2	2	2	2	2	3	3	2	1	2	3	2	2	2	2	
Pigment	1	1		1				1		1	2	2	1	1	1			2	2	1		1	1		1	
White Pulp, Atrophy						1	2		1								2		3					2		
Thymus	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	1	1	1	1	2		3	2	2	1	2	2		1	2	3	3	2	2	2	1	1	2	3	1	
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Galactocele																										
Hyperplasia							2		2	2	3			2			1					2			2	
Hyperplasia, Atypical	3																									
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
MUSCULOSKELETAL SYSTEM																										

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BLANK .. Not examined microscopically
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1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 0 mg/kg female / ANIMAL ID	0730 0201	0730 0202	0578 0203	0730 0204	0499 0205	0606 0206	0597 0207	0730 0208	0708 0209	0730 0210	0729 0211	0729 0212	0729 0213	0729 0214	0729 0215	0600 0216	0504 0217	0730 0218	0536 0219	0730 0220	0618 0221	0729 0222	0729 0223	0677 0224	0729 0225	females (cont...)
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Necrosis																										
Glial Cell, Hyperplasia																										
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Histiocyte	2	2	1	1	2	1	1	2	2	2		1	3	2	4	2		2	1	3	1				1	
Inflammation, Granulomatous												1			1				1		1					
Inflammation, Acute																										
Inflammation, Chronic Active																						1				
Alveolar Epithelium, Hyperplasia							1														1					
Bronchiole, Hyperplasia																										
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Acute																	2									
Inflammation, Chronic											1															
Nasolacrimal Duct, Inflammation, Chronic				1		1											1									
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	0730	0730	0578	0730	0499	0606	0597	0730	0708	0730	0729	0729	0729	0729	0729	0600	0504	0730	0536	0730	0618	0729	0729	0677	0729	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
0 mg/kg female ANIMAL ID	00201	00202	00203	00204	00205	00206	00207	00208	00209	00210	00211	00212	00213	00214	00215	00216	00217	00218	00219	00220	00221	00222	00223	00224	00225	**females (cont...)**
Lacrimal Gland																								+		
Inflammation, Granulomatous																								3		
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Nephropathy, Chronic Progressive	1	1		1		1		2	1	2	1	1	1	1	2	1		1	1	2	1	2	1	1	1	
Pelvis, Dilation																										
Renal Tubule, Accumulation, Hyaline Droplet					2	1																				
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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HARLAN SPRAGUE DAWLEY RATS FEMALE

0 mg/kg female

DAY ON TEST	0730	0730	0530	0730	0730	0693	0729	0729	0655	0729	0715	0706	0655	0729	0729	0670	0729	0719	0681	0729	0730	0556	0730	0524	0521	
ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	* TOTALS
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parasite Metazoan			X																							**1**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parasite Metazoan																										**1**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis																										**2 2.0**
Basophilic Focus																	X	X								**4**
Clear Cell Focus	X				X												X			X			X			**15**
Eosinophilic Focus		X			X		X				X						X				X				X	**10**
Extramedullary Hematopoiesis																									1	**3 1.3**
Necrosis													3													**4 2.3**
Bile Duct, Cyst																					X		X			**4**
Bile Duct, Hyperplasia								1			1				1	1						1				**11 1.1**
Centrilobular, Necrosis												2														**1 2.0**
Hepatocyte, Hyperplasia											2															**1 2.0**

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

DAY ON TEST	0730	0730	0530	0730	0730	0693	0729	0729	0655	0729	0715	0706	0655	0729	0729	0670	0729	0719	0681	0729	0730	0556	0730	0524	0521	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
0 mg/kg female ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	*** TOTALS**
Oval Cell, Hyperplasia											1															**1 1.0**
Mesentery																+										**1**
Hemorrhage																3										**1 3.0**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Basophilic Focus																										**1**
Polyarteritis Nodosa																										**1 1.0**
Acinus, Atrophy												2														**3 1.3**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Acute								2																		**1 2.0**
Inflammation, Chronic												1														**2 1.0**
Inflammation, Chronic Active																										**1 3.0**
Mineral																1										**1 1.0**
Ulcer																										**1 2.0**
Epithelium, Hyperplasia								3				3														**3 3.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Mineral																1										**2 1.0**
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy		1									1														1	**4 1.0**

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

HARLAN SPRAGUE DAWLEY RATS FEMALE

0 mg/kg female

DAY ON TEST	0730	0730	0530	0730	0730	0693	0729	0729	0655	0729	0715	0706	0655	0729	0729	0670	0729	0719	0681	0729	0730	0556	0730	0524	0521	
ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	* TOTALS
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis				2	2						3						1									**5 2.0**
Degeneration, Cystic					1			1	1							1										**6 1.2**
Hyperplasia, Focal																					1					**2 1.0**
Hypertrophy, Focal																										**1 2.0**
Infiltration Cellular, Lipocyte							2																			**1 2.0**
Metaplasia, Osseous							1																			**1 1.0**
Thrombus				X													X									**2**
Bilateral, Degeneration, Cystic											1															**2 1.0**
Bilateral, Hyperplasia, Focal																	2									**1 2.0**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia, Focal	1							1		1					2											**5 1.4**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia															2				1							**2 1.5**
Parathyroid Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	**46**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Pars Distalis, Hyperplasia	4			1			3	1				3	1				4			1						**18 2.1**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
C-cell, Hyperplasia						1	2	1		3									3		3				2	**14 2.2**
Follicle, Cyst																					X					**1**
GENERAL BODY SYSTEM																										

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

DAY ON TEST	073	073	053	073	073	069	072	072	065	072	071	070	065	072	072	067	072	071	068	072	073	055	073	052	052	
HARLAN SPRAGUE DAWLEY RATS FEMALE	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 mg/kg female ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	*** TOTALS**
NONE																										
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Squamous Metaplasia										3																**1 3.0**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy	2	2		2	2	2	2			2	2			2	3	2	3	2	2		2	2				**32 2.1**
Cyst																										**1**
Bursa, Cyst																										**1**
Follicle, Cyst				X					X			X	X							X					X	**12**
Follicle, Cyst, Multiple																										**1**
Periovarian Tissue, Cyst																										**1**
Rete Ovarii, Cyst															X											**1**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Dilation																4										**2 4.0**
Hemorrhage																										**1 3.0**
Hyperplasia, Atypical																						2				**3 1.3**
Inflammation, Acute				2																						**2 1.5**
Inflammation, Chronic Active																		2								**4 1.5**
Squamous Metaplasia	1	1		2	3						1			4	2	1	3		2		1	1				**21 1.8**
Thrombus																										**1**
Cervix, Hyperplasia, Squamous					1						2															**3 1.7**
Cervix, Hyperplasia, Stromal																										**1 4.0**
Cervix, Hypertrophy, Stromal																				2						**1 2.0**
Endometrium, Hyperplasia, Cystic	1				2	1	2			2	2		1		2		1		2		1					**19 1.6**
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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X .. Lesion present
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M .. Missing tissue
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BLANK .. Not examined microscopically
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1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 0 mg/kg female / ANIMAL ID	0730 0226	0730 0227	0530 0228	0730 0229	0730 0230	0693 0231	0729 0232	0729 0233	0655 0234	0729 0235	0715 0236	0706 0237	0655 0238	0729 0239	0729 0240	0670 0241	0729 0242	0719 0243	0681 0244	0729 0245	0730 0246	0556 0247	0730 0248	0524 0249	0521 0250	* TOTALS	
Inflammation, Acute																								1		**1**	**1.0**
HEMATOPOIETIC SYSTEM																											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hemorrhage											1				1			1	1			1				**10**	**1.2**
Hypercellularity			4	3	2	1		2	4		3	4	4	1	1	3	2	3						3	4	**31**	**2.8**
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Extramedullary Hematopoiesis	3	2	3	2	2		2	2	4	2	2	3	3	2	2	3	2		2	2	2		2	3	3	**47**	**2.3**
Pigment	2	1			1	2	1	1		2	2	1		1	1		1	2	1	1	2	2	2	1		**35**	**1.3**
White Pulp, Atrophy						2												4				2				**9**	**2.1**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Atrophy		1	1	1	1	1	1	2	2	2	1	3	2		1	2	1	3	1	1	3	3	2	3	2	**46**	**1.8**
INTEGUMENTARY SYSTEM																											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Galactocele						4															4					**2**	**4.0**
Hyperplasia						2		2				3								2			1			**13**	**2.0**
Hyperplasia, Atypical																										**1**	**3.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
MUSCULOSKELETAL SYSTEM																											

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 0 mg/kg female / ANIMAL ID	0730 00226	0730 00227	0530 00228	0730 00229	0730 00230	0693 00231	0729 00232	0729 00233	0655 00234	0729 00235	0715 00236	0706 00237	0655 00238	0729 00239	0729 00240	0670 00241	0729 00242	0719 00243	0681 00244	0729 00245	0730 00246	0556 00247	0730 00248	0524 00249	0521 00250	* TOTALS	
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
NERVOUS SYSTEM																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Necrosis			2																							**1**	**2.0**
Glial Cell, Hyperplasia																					2					**1**	**2.0**
RESPIRATORY SYSTEM																											
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Infiltration Cellular, Histiocyte	2	1	1	2	2	2	1	1	2		1	2	1		1	2	3	1			3	2		1		**39**	**1.7**
Inflammation, Granulomatous		1		1										1												**7**	**1.0**
Inflammation, Acute								1																		**1**	**1.0**
Inflammation, Chronic Active																										**1**	**1.0**
Alveolar Epithelium, Hyperplasia	2																		1							**4**	**1.3**
Bronchiole, Hyperplasia							1																			**1**	**1.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation, Acute																										**1**	**2.0**
Inflammation, Chronic																										**1**	**1.0**
Nasolacrimal Duct, Inflammation, Chronic	1																									**4**	**1.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
SPECIAL SENSES SYSTEM																											
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	

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

DAY ON TEST	0730	0730	0530	0730	0730	0693	0729	0729	0655	0729	0715	0706	0655	0729	0729	0670	0729	0719	0681	0729	0730	0556	0730	0524	0521	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
0 mg/kg female ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250	*** TOTALS**
Lacrimal Gland																										**1**
Inflammation, Granulomatous																										**1 3.0**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Nephropathy, Chronic Progressive	1	1		1	1	2	1	2	1	1	2	3	2	1	2	1	1	1 2	1	1	2	1	1			**43 1.3**
Pelvis, Dilation																		2								**1 2.0**
Renal Tubule, Accumulation, Hyaline Droplet																										**2 1.5**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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DAY ON TEST	0634	0730	0730	0691	0605	0729	0712	0729	0729	0729	0600	0332	0397	0588	0648	0730	0730	0712	0730	0730	0726	0730	0730	0614	0730	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
75 mg/kg female ANIMAL ID	00251	00252	00253	00254	00255	00256	00257	00258	00259	00260	00261	00262	00263	00264	00265	00266	00267	00268	00269	00270	00271	00272	00273	00274	00275	**females (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Polyarteritis Nodosa																						2				
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan											X															
Polyarteritis Nodosa																						2				
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan						X															X					
Polyarteritis Nodosa																						2				
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																										
Basophilic Focus						X																				
Clear Cell Focus									X	X											X		X			
Eosinophilic Focus							X									X	X								X	
Extramedullary Hematopoiesis							2																			
Hepatodiaphragmatic Nodule									X																	
Mixed Cell Focus																				X						
Necrosis							2																			

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DAY ON TEST / ANIMAL ID	0634 00251	0730 00252	0730 00253	0691 00254	0605 00255	0729 00256	0712 00257	0729 00258	0729 00259	0729 00260	0600 00261	0332 00262	0397 00263	0588 00264	0648 00265	0730 00266	0730 00267	0712 00268	0730 00269	0730 00270	0726 00271	0730 00272	0730 00273	0614 00274	0730 00275
HARLAN SPRAGUE DAWLEY RATS FEMALE																									
75 mg/kg female																									
Pigment							4	X																	
Regeneration																									
Bile Duct, Cyst		X							X							X				X			X		
Bile Duct, Hyperplasia		1	1						1						1			1			1	1			1	
Centrilobular, Necrosis																									
Hepatocyte, Hypertrophy							3																		
Hepatocyte, Multinucleated							3																		
Serosa, Fibrosis																									
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Polyarteritis Nodosa																						2			
Acinus, Atrophy							3																		
Acinus, Hyperplasia, Focal																	2								
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy									2																
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Acute																									
Polyarteritis Nodosa																						2			
Ulcer																									
Epithelium, Hyperplasia																									
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mineral			1																1						
CARDIOVASCULAR SYSTEM																									
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+
Media, Hypertrophy																									

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DAY ON TEST	0634	0730	0730	0691	0605	0729	0712	0729	0729	0729	0600	0332	0397	0588	0648	0730	0730	0712	0730	0730	0726	0730	0730	0614	0730	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
75 mg/kg female ANIMAL ID	0025 51	0025 52	0025 53	0025 54	0025 55	0025 56	0025 57	0025 58	0025 59	0026 00	0026 01	0026 02	0026 03	0026 04	0026 05	0026 06	0026 67	0026 68	0026 69	0027 00	0027 01	0027 02	0027 03	0027 04	0027 75	**females (cont...)**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy						1								1									1	1		
Infiltration Cellular, Histiocyte																								2		
Atrium, Thrombus																										
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis																				2						
Degeneration, Cystic												1	1				1	1			1	1				
Extramedullary Hematopoiesis																										
Hyperplasia, Focal																					1					
Necrosis							2																			
Thrombus																										
Bilateral, Degeneration, Cystic																				2			1			
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Focal	2																		1	2		3	1			
Necrosis																										
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia										2																
Parathyroid Gland	+	+	+	+	M	+	M	+	M	+	+	+	M	+	M	+	+	+	+	+	+	+	M	+	+	
Hyperplasia, Focal																										
Hyperplasia, Diffuse																										
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																										

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

DAY ON TEST	0634	0730	0730	0691	0605	0729	0712	0729	0729	0729	0600	0332	0397	0588	0648	0730	0730	0712	0730	0730	0726	0730	0730	0614	0730	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
75 mg/kg female ANIMAL ID	00251	00252	00253	00254	00255	00256	00257	00258	00259	00260	00261	00262	00263	00264	00265	00266	00267	00268	00269	00270	00271	00272	00273	00274	00275	**females (cont...)**
Pars Distalis, Hyperplasia									1							1	4		2			4	1		3	
Thyroid Gland	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia		1				1											4					3				
GENERAL BODY SYSTEM																										
Peritoneum																										
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	4	3		2	2	2	4			2	3	3		2	2	2	2		3	2	4	2	2	2	2	
Bursa, Cyst							X																			
Follicle, Cyst			X		X									X				X	X							
Periovarian Tissue, Cyst					X																					
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenomyosis				2																					1	
Dilation														4												
Hyperplasia, Atypical		2							2								1	1								
Inflammation, Chronic														1												
Inflammation, Chronic Active																				1					2	
Squamous Metaplasia		1		1		2				1	1					1	1		1	2		2	1	2	2	
Ulcer																										
Cervix, Cyst, Squamous																										
Cervix, Hyperplasia, Squamous																										
Endometrium, Hyperplasia, Cystic		2	1		2	1				1	1					1	1		1	1	1	2	1		2	

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

DAY ON TEST	0634	0730	0730	0691	0605	0729	0712	0729	0729	0729	0600	0332	0397	0588	0648	0730	0730	0712	0730	0730	0726	0730	0730	0614	0730	
HARLAN SPRAGUE DAWLEY RATS FEMALE **75 mg/kg female** ANIMAL ID	00251	00252	00253	00254	00255	00256	00257	00258	00259	00260	00261	00262	00263	00264	00265	00266	00267	00268	00269	00270	00271	00272	00273	00274	00275	**females (cont...)**
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Squamous																										
Inflammation, Chronic Active																										
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hypercellularity	4	1	2		2		4						4	3				4	3		4					
Lymph Node	+																									
Lumbar, Hemorrhage																										
Lumbar, Sinus, Ectasia																										
Mediastinal, Hemorrhage																										
Mediastinal, Infiltration Cellular, Plasma Cell																										
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Extramedullary Hematopoiesis	2	2	2	2	2	2	3	2	2	2	1		3	3	1	2	2	3	3	2	3	2	2		2	
Hemorrhage	2																									
Pigment	2	1	2	2	2	1		2	2	1	2	2			2	1	2		1	1		1	1	1	2	
White Pulp, Atrophy	2			2							1	1		2	3									2		
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	3	2	2	1	2		2	2	2	1	1		2	3	2	2	2	3		2	1	2	1	2		
INTEGUMENTARY SYSTEM																										

DAY ON TEST	0634	0730	0730	0691	0605	0729	0712	0729	0729	0729	0600	0332	0397	0588	0648	0730	0730	0712	0730	0730	0726	0730	0730	0614	0730	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
75 mg/kg female ANIMAL ID	00251	00252	00253	00254	00255	00256	00257	00258	00259	00260	00261	00262	00263	00264	00265	00266	00267	00268	00269	00270	00271	00272	00273	00274	00275	**females (cont...)**
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia			3					1	2													1				
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Histiocyte		1	2		2	1		1	3		2	1	1	2	1	2	1	1	3			1	3		2	
Inflammation, Granulomatous																								1	1	
Inflammation, Chronic Active																										
Squamous Metaplasia																										
Alveolar Epithelium, Hyperplasia			2																							
Alveolar Epithelium, Metaplasia, Respiratory																1										
Peribronchiolar, Fibrosis																										
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative																										
Respiratory Epithelium, Hyperplasia																1										
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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DAY ON TEST	0634	0730	0730	0691	0605	0729	0712	0729	0729	0729	0600	0332	0397	0588	0648	0730	0730	0712	0730	0730	0726	0730	0730	0614	0730	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
75 mg/kg female ANIMAL ID	00251	00252	00253	00254	00255	00256	00257	00258	00259	00260	00261	00262	00263	00264	00265	00266	00267	00268	00269	00270	00271	00272	00273	00274	00275	**females (cont...)**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Phthisis Bulbi																										
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Nephropathy, Chronic Progressive	4	1	1	2		1		1	2	1	1	1	1	1	1	1	2		1		1	3	3	1	2	
Pelvis, Dilation														2				2								
Pelvis, Inflammation, Acute																										
Renal Tubule, Dilation																		2								
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Acute														2												
Inflammation, Chronic Active										2																

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DAY ON TEST	0729	0675	0386	0729	0729	0499	0512	0615	0730	0712	0729	0302	0672	0729	0629	0730	0730	0663	0570	0730	0482	0729	0633	0729	0675	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
75 mg/kg female																										
ANIMAL ID	00276	00277	00278	00279	00280	00281	00282	00283	00284	00285	00286	00287	00288	00289	00290	00291	00292	00293	00294	00295	00296	00297	00298	00299	00300	*** TOTALS**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Polyarteritis Nodosa																										**1 2.0**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parasite Metazoan																										**1**
Polyarteritis Nodosa																										**1 2.0**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Parasite Metazoan				X																	X					**4**
Polyarteritis Nodosa					1																					**2 1.5**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis	1																									**1 1.0**
Basophilic Focus				X																X						**3**
Clear Cell Focus				X					X																	**6**
Eosinophilic Focus												X														**5**
Extramedullary Hematopoiesis			1							1										1					1	**5 1.2**
Hepatodiaphragmatic Nodule																									X	**2**
Mixed Cell Focus																										**1**
Necrosis							2	2					3	1	2			2	2		3		1			**10 2.0**

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DAY ON TEST	0729	0675	0386	0729	0729	0499	0512	0615	0730	0712	0729	0302	0672	0729	0629	0730	0730	0663	0570	0730	0482	0729	0633	0729	0675	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
75 mg/kg female ANIMAL ID	00276	00277	00278	00279	00280	00281	00282	00283	00284	00285	00286	00287	00288	00289	00290	00291	00292	00293	00294	00295	00296	00297	00298	00299	00300	*** TOTALS**
Pigment										1																**3 2.5**
Regeneration										2																**1 2.0**
Bile Duct, Cyst				X					X																	**7**
Bile Duct, Hyperplasia	1			1							1				2	1						1				**14 1.1**
Centrilobular, Necrosis										2																**1 2.0**
Hepatocyte, Hypertrophy																										**1 3.0**
Hepatocyte, Multinucleated																										**1 3.0**
Serosa, Fibrosis																				1						**1 1.0**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Polyarteritis Nodosa					1																					**2 1.5**
Acinus, Atrophy										2																**2 2.5**
Acinus, Hyperplasia, Focal																										**1 2.0**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy																										**1 2.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Acute													2													**1 2.0**
Polyarteritis Nodosa																										**1 2.0**
Ulcer													2													**1 2.0**
Epithelium, Hyperplasia													2									1				**2 1.5**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Mineral						2					1															**4 1.3**
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**
Media, Hypertrophy													3													**1 3.0**

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DAY ON TEST	072 9	067 5	038 6	072 9	072 9	049 9	051 2	061 5	073 0	071 2	072 9	030 2	067 2	072 9	062 9	073 0	073 0	066 3	057 0	073 0	048 2	072 9	063 3	072 9	067 5	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
75 mg/kg female ANIMAL ID	00276	00277	00278	00279	00280	00281	00282	00283	00284	00285	00286	00287	00288	00289	00290	00291	00292	00293	00294	00295	00296	00297	00298	00299	00300	*** TOTALS**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cardiomyopathy		1			1		2							1						1						**9 1.1**
Infiltration Cellular, Histiocyte																										**1 2.0**
Atrium, Thrombus													X													**1**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Angiectasis											2															**2 2.0**
Degeneration, Cystic					1						1			1	1										1	**11 1.0**
Extramedullary Hematopoiesis																			1		2					**2 1.5**
Hyperplasia, Focal										2																**2 1.5**
Necrosis							4																			**2 3.0**
Thrombus											X															**1**
Bilateral, Degeneration, Cystic																	1									**3 1.3**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia, Focal								1					1													**7 1.6**
Necrosis							4																			**1 4.0**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia						1																				**2 1.5**
Parathyroid Gland	+	M	+	M	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	**40**
Hyperplasia, Focal										1																**1 1.0**
Hyperplasia, Diffuse													2													**1 2.0**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst					X																					**1**

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HARLAN SPRAGUE DAWLEY RATS FEMALE																										
75 mg/kg female																										
ANIMAL ID	00276	00277	00278	00279	00280	00281	00282	00283	00284	00285	00286	00287	00288	00289	00290	00291	00292	00293	00294	00295	00296	00297	00298	00299	00300	*** TOTALS**
Pars Distalis, Hyperplasia			1	2	1		2	1			1						3	1	1	2				1		**18 1.8**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
C-cell, Hyperplasia	1																								2	**6 2.0**
GENERAL BODY SYSTEM																										
Peritoneum															+								+			**2**
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	M	+	+	+	+	**48**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Atrophy	2	2	2	2		2			3	2	3	2	3		3	2	2	2	2	2		2	4	2		**39 2.4**
Bursa, Cyst											X															**2**
Follicle, Cyst				X												X										**7**
Periovarian Tissue, Cyst					X								X													**3**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Adenomyosis																										**2 1.5**
Dilation											2									4						**3 3.3**
Hyperplasia, Atypical																										**4 1.5**
Inflammation, Chronic																										**1 1.0**
Inflammation, Chronic Active											3						2			4						**5 2.4**
Squamous Metaplasia	1		1	1		1	1				3				2	1		1	1			2		1		**25 1.4**
Ulcer											1															**1 1.0**
Cervix, Cyst, Squamous									X																	**1**
Cervix, Hyperplasia, Squamous									2																	**1 2.0**
Endometrium, Hyperplasia, Cystic	2		1	1		1	1		2					1		1		1		2		1		2		**26 1.3**

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HARLAN SPRAGUE DAWLEY RATS FEMALE

75 mg/kg female

DAY ON TEST / ANIMAL ID	0729 00276	0675 00277	0386 00278	0729 00279	0729 00280	0499 00281	0512 00282	0615 00283	0730 00284	0712 00285	0729 00286	0302 00287	0672 00288	0729 00289	0629 00290	0730 00291	0730 00292	0663 00293	0570 00294	0730 00295	0482 00296	0729 00297	0633 00298	0729 00299	0675 00300	*** TOTALS**	
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia, Squamous											2															**1**	**2.0**
Inflammation, Chronic Active										2																**1**	**2.0**
HEMATOPOIETIC SYSTEM																											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hypercellularity	1	4	4			4	4	4		4		4	3	3	4	1	4	3	4	4	4	3	3	2	4	**31**	**3.3**
Lymph Node		+											+		+		+		+							**6**	
Lumbar, Hemorrhage																	2									**1**	**2.0**
Lumbar, Sinus, Ectasia																			3							**1**	**3.0**
Mediastinal, Hemorrhage													3													**1**	**3.0**
Mediastinal, Infiltration Cellular, Plasma Cell		3																								**1**	**3.0**
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Extramedullary Hematopoiesis	2	4	3	2	2	3	2	3	2	4	2	3	3	2	3	2	3	3	4	2	3	2	3	2	3	**48**	**2.4**
Hemorrhage																										**1**	**2.0**
Pigment	2			2	1		1		2		2		2	1	1	2		1				1	1	1		**34**	**1.5**
White Pulp, Atrophy													3		3								4			**10**	**2.3**
Thymus	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Atrophy	1	2	1	1			3	3	3	2	2	1	3	2	4	1	3	3	3	2	2	1	4	1	2	**44**	**2.0**
INTEGUMENTARY SYSTEM																											

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

HARLAN SPRAGUE DAWLEY RATS FEMALE

75 mg/kg female

DAY ON TEST	0729	0675	0386	0729	0729	0499	0512	0615	0730	0712	0729	0302	0672	0729	0629	0730	0730	0663	0570	0730	0482	0729	0633	0729	0675	
ANIMAL ID	00276	00277	00278	00279	00280	00281	00282	00283	00284	00285	00286	00287	00288	00289	00290	00291	00292	00293	00294	00295	00296	00297	00298	00299	00300	*** TOTALS**
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Hyperplasia					2			2			1			1												**8 1.6**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Infiltration Cellular, Histiocyte	2	2	1	1	1		1		1		2		3	4	2	2	2	2	2	2		1	1	2	1	**38 1.7**
Inflammation, Granulomatous															1							1	1	1		**6 1.0**
Inflammation, Chronic Active																	1									**1 1.0**
Squamous Metaplasia																	1									**1 1.0**
Alveolar Epithelium, Hyperplasia			1																							**2 1.5**
Alveolar Epithelium, Metaplasia, Respiratory																										**1 1.0**
Peribronchiolar, Fibrosis													3													**1 3.0**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Suppurative																			1			1				**2 1.0**
Respiratory Epithelium, Hyperplasia																										**1 1.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

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

DAY ON TEST	0729	0675	0386	0729	0729	0499	0512	0615	0730	0712	0729	0302	0672	0729	0629	0730	0730	0663	0570	0730	0482	0729	0633	0729	0675	
HARLAN SPRAGUE DAWLEY RATS FEMALE **75 mg/kg female** ANIMAL ID	00276	00277	00278	00279	00280	00281	00282	00283	00284	00285	00286	00287	00288	00289	00290	00291	00292	00293	00294	00295	00296	00297	00298	00299	00300	*** TOTALS**
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Phthisis Bulbi																	2									**1 2.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Nephropathy, Chronic Progressive	1	1	1	2	2		1		2	1	1	1	4	1	1	1	1			1		1	1	1		**40 1.4**
Pelvis, Dilation																										**2 2.0**
Pelvis, Inflammation, Acute																			1							**1 1.0**
Renal Tubule, Dilation																										**1 2.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Inflammation, Acute																										**1 2.0**
Inflammation, Chronic Active																			2							**2 2.0**

DAY ON TEST	0729	0729	0729	0729	0578	0730	0676	0658	0704	0730	0730	0730	0730	0730	0730	0730	0648	0608	0697	0715	0730	0597	0643	0729	0690	0729	
HARLAN SPRAGUE DAWLEY RATS FEMALE																											
250 mg/kg female																											
ANIMAL ID	00301	00302	00303	00304	00305	00306	00307	00308	00309	00310	00311	00312	00313	00314	00315	00316	00317	00318	00319	00320	00321	00322	00323	00324	00325	**females (cont...)**	
ALIMENTARY SYSTEM																											
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Polyarteritis Nodosa																											
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Parasite Metazoan																			X								
Polyarteritis Nodosa																											
Lymphoid Tissue, Hyperplasia				2																							
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Parasite Metazoan																			X								
Polyarteritis Nodosa							2																				
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Polyarteritis Nodosa																											
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Angiectasis																											
Basophilic Focus														X													
Clear Cell Focus		X																									
Eosinophilic Focus					X										X				X	X							
Extramedullary Hematopoiesis						1							1						1				1				
Necrosis									1				1														

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

DAY ON TEST	0729	0729	0729	0729	0578	0730	0676	0658	0704	0730	0730	0730	0730	0730	0730	0730	0648	0608	0697	0715	0730	0597	0643	0729	0690	0729	
HARLAN SPRAGUE DAWLEY RATS FEMALE																											
250 mg/kg female																											
ANIMAL ID	00301	00302	00303	00304	00305	00306	00307	00308	00309	00310	00311	00312	00313	00314	00315	00316	00317	00318	00319	00320	00321	00322	00323	00324	00325	**females (cont...)**
Bile Duct, Cyst		X					X	X					X			X							X		X		
Bile Duct, Dilation																											
Bile Duct, Hyperplasia			1	1		1									1						1			1	2		
Serosa, Fibrosis																											
Mesentery																											
Oral Mucosa																		+									
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Basophilic Focus																											
Polyarteritis Nodosa																											
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Polyarteritis Nodosa							2																				
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Inflammation, Chronic							2														1						
Polyarteritis Nodosa							2																				
Epithelium, Hyperplasia							3																				
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Erosion																					2						
Mineral						1						1								1					2		
Submucosa, Inflammation, Chronic		1																									
Tooth															+												
Malformation															X												

CARDIOVASCULAR SYSTEM

DAY ON TEST	0729	0729	0729	0729	0578	0730	0676	0658	0704	0730	0730	0730	0730	0730	0730	0730	0648	0608	0697	0715	0730	0597	0643	0729	0690	0729	
HARLAN SPRAGUE DAWLEY RATS FEMALE																											
250 mg/kg female																											
ANIMAL ID	00301	00302	00303	00304	00305	00306	00307	00308	00309	00310	00311	00312	00313	00314	00315	00316	00317	00318	00319	00320	00321	00322	00323	00324	00325	**females (cont...)**	
Blood Vessel	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Mineral									1											1							
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Cardiomyopathy	2							1	1					1			2		2	1	1						
ENDOCRINE SYSTEM																											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Angiectasis														3													
Degeneration, Cystic		1		1										1	1		1										
Hyperplasia, Focal						1								2					1								
Hypertrophy, Focal																											
Necrosis																				2							
Thrombus														X													
Bilateral, Degeneration, Cystic																				2							
Bilateral, Hypertrophy, Focal																											
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Hyperplasia, Focal	4	2		1										1		1	2		2	2					2		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Hyperplasia																											
Parathyroid Gland	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	M	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Hyperplasia		1	4					1		2		2	4	4			3		4			1	3		3		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		

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

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 250 mg/kg female / ANIMAL ID	0729	0729	0729	0729	0578	0730	0676	0658	0704	0730	0730	0730	0730	0730	0730	0730	0648	0608	0697	0715	0730	0597	0643	0729	0690	0729	**females (cont...)**
	00301	00302	00303	00304	00305	00306	00307	00308	00309	00310	00311	00312	00313	00314	00315	00316	00317	00318	00319	00320	00321	00322	00323	00324	00325		
Polyarteritis Nodosa																											
C-cell, Hyperplasia		3			2																2	1					
GENERAL BODY SYSTEM																											
Peritoneum																											
GENITAL SYSTEM																											
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	3	2	2	3	2	2	1	2	3	2	2	2	2	2		3	1	4	3	2	2		2	2	2		
Inflammation, Chronic Active																											
Polyarteritis Nodosa							1																				
Bursa, Cyst																											
Corpus Luteum, Cyst																											
Follicle, Cyst			X		X					X											X				X		
Interstitial Cell, Hyperplasia																											
Periovarian Tissue, Cyst														X													
Oviduct											+																
Cyst											X																
Inflammation, Acute																											
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenomyosis																	2										
Angiectasis													3														
Dilation											3	4	4				3						2				
Hyperplasia, Atypical	4												4										3		4		

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

HARLAN SPRAGUE DAWLEY RATS FEMALE
250 mg/kg female

DAY ON TEST	0729	0729	0729	0729	0578	0730	0676	0658	0704	0730	0730	0730	0730	0730	0730	0730	0648	0608	0697	0715	0730	0597	0643	0729	0690	0729	
ANIMAL ID	00301	00302	00303	00304	00305	00306	00307	00308	00309	00310	00311	00312	00313	00314	00315	00316	00317	00318	00319	00320	00321	00322	00323	00324	00325	**females (cont...)**
Hyperplasia, Stromal																										
Inflammation, Acute																										
Inflammation, Chronic Active									1		4		2				2						2			
Polyarteritis Nodosa							2																			
Squamous Metaplasia	1	2	2	1		1		1	2		3	4		1		2	1	1		2				1	2	
Thrombus								X		X			X				X						X			
Ulcer											2															
Cervix, Hyperplasia, Squamous						2																				
Cervix, Hyperplasia, Stromal																										
Endometrium, Hyperplasia, Cystic	1	1	1	1				1		1			4	1						1	1			1	2	
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Acute							2				2								1							
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hypercellularity	2	2			3	3		3	3	4	3	3	4	1	3		2		4	2		3	4	2	2	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Plasma Cell															2		2									
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Spleen																										
Extramedullary Hematopoiesis	2	2	2	2	3	3	2	2	3	3	2	2	3	2	2	2	3	3	4	2		3	3		2	
Hemorrhage																										
Pigment	1	1	1	2		1	1	2	1		1			2	1	2	1	1		1	2	1		2	1	
White Pulp, Atrophy								4											3							

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

HARLAN SPRAGUE DAWLEY RATS FEMALE
250 mg/kg female

DAY ON TEST	0729	0729	0729	0729	0578	0730	0676	0658	0704	0730	0730	0730	0730	0730	0730	0648	0608	0697	0715	0730	0597	0643	0729	0690	0729	**females (cont...)**
ANIMAL ID	00301	00302	00303	00304	00305	00306	00307	00308	00309	00310	00311	00312	00313	00314	00315	00316	00317	00318	00319	00320	00321	00322	00323	00324	00325	
Thymus	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	
Atrophy	1		1	2	2	2	2	3	2		2	3	2	2		2	1	3		1	1	2	2	1	1	
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Galactocele			2																							
Hyperplasia		2																								
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic																										
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Histiocyte	1	1	2	2	1	1	1	2	2	1	1	3	2			1	2	2	2	3	2		2	1	2	
Inflammation, Granulomatous	1	1				1		1	1						1							1	3	1	1	
Inflammation, Chronic Active												1		1												
Alveolar Epithelium, Hyperplasia																										
Bronchiole, Foreign Body, Multiple																							X			
Interstitium, Fibrosis																						1				

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

DAY ON TEST	072	072	072	072	057	073	067	065	070	073	073	073	073	073	073	064	060	069	071	073	059	064	072	069	072	
HARLAN SPRAGUE DAWLEY RATS FEMALE	9	9	9	9	8	0	6	8	4	0	0	0	0	0	0	8	8	7	5	0	7	3	9	0	9	
250 mg/kg female																										
ANIMAL ID	00301	00302	00303	00304	00305	00306	00307	00308	00309	00310	00311	00312	00313	00314	00315	00316	00317	00318	00319	00320	00321	00322	00323	00324	00325	**females (cont...)**
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body															X											
Inflammation, Suppurative															3											
Inflammation, Acute							1																			
Inflammation, Chronic	1																									
Nasolacrimal Duct, Inflammation, Chronic								2																		
Nasolacrimal Duct, Inflammation, Chronic Active															2											
Respiratory Epithelium, Hyperplasia																										
Respiratory Epithelium, Squamous Metaplasia															2											
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrosis															2											
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Amphophilic/Vacuolar Hyperplasia																										
Nephropathy, Chronic Progressive	1	1	2	1	2	2	4		2		1	1		1		1	4		2	2	2	2	1	1	2	
Renal Tubule, Cyst								X																		
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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

DAY ON TEST / ANIMAL ID	0644 0326	0730 0327	0730 0328	0730 0329	0730 0330	0729 0331	0729 0332	0729 0333	0360 0334	0729 0335	0488 0336	0726 0337	0729 0338	0538 0339	0729 0340	0668 0341	0538 0342	0729 0343	0729 0344	0638 0345	0677 0346	0730 0347	0605 0348	0730 0349	0730 0350	* TOTALS	
ALIMENTARY SYSTEM																											
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Polyarteritis Nodosa			2																							**1**	**2.0**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Parasite Metazoan																										**1**	
Polyarteritis Nodosa			2																							**1**	**2.0**
Lymphoid Tissue, Hyperplasia										2																**2**	**2.0**
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Parasite Metazoan																			X			X				**3**	
Polyarteritis Nodosa			2																							**2**	**2.0**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Polyarteritis Nodosa			2																							**1**	**2.0**
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Angiectasis					2			1																		**2**	**1.5**
Basophilic Focus						X																				**2**	
Clear Cell Focus		X			X						X		X		X			X			X					**8**	
Eosinophilic Focus			X		X		X						X	X							X					**10**	
Extramedullary Hematopoiesis		1										1					1							1		**8**	**1.0**
Necrosis									2																	**3**	**1.3**

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

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 250 mg/kg female / ANIMAL ID	0644 0326	0730 0327	0730 0328	0730 0329	0730 0330	0729 0331	0729 0332	0729 0333	0360 0334	0729 0335	0488 0336	0726 0337	0729 0338	0538 0339	0729 0340	0668 0341	0538 0342	0729 0343	0729 0344	0638 0345	0677 0346	0730 0347	0605 0348	0730 0349	0730 0350	* TOTALS	
Bile Duct, Cyst													X			X			X							**10**	
Bile Duct, Dilation							1			1					1											**3**	**1.0**
Bile Duct, Hyperplasia				1									1	1	1				1			1	1			**14**	**1.1**
Serosa, Fibrosis					2																					**1**	**2.0**
Mesentery																	+									**1**	
Oral Mucosa																										**1**	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Basophilic Focus													X													**1**	
Polyarteritis Nodosa			2																							**1**	**2.0**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Polyarteritis Nodosa																										**1**	**2.0**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation, Chronic																										**2**	**1.5**
Polyarteritis Nodosa																										**1**	**2.0**
Epithelium, Hyperplasia																										**1**	**3.0**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Erosion																										**1**	**2.0**
Mineral								1																		**5**	**1.2**
Submucosa, Inflammation, Chronic																										**1**	**1.0**
Tooth																										**1**	
Malformation																										**1**	

CARDIOVASCULAR SYSTEM

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

HARLAN SPRAGUE DAWLEY RATS FEMALE

250 mg/kg female

DAY ON TEST / ANIMAL ID	0644 00326	0730 00327	0730 00328	0730 00329	0730 00330	0729 00331	0729 00332	0729 00333	0360 00334	0729 00335	0488 00336	0726 00337	0729 00338	0538 00339	0729 00340	0668 00341	0538 00342	0729 00343	0729 00344	0638 00345	0677 00346	0730 00347	0605 00348	0730 00349	0730 00350	* TOTALS	
Blood Vessel	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**	
Mineral																										**2**	**1.0**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cardiomyopathy	1	1															1			1		1				**13**	**1.2**
ENDOCRINE SYSTEM																											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Angiectasis			2	1																						**3**	**2.0**
Degeneration, Cystic				1		1				1								1								**9**	**1.0**
Hyperplasia, Focal							1																			**4**	**1.3**
Hypertrophy, Focal												2														**1**	**2.0**
Necrosis																										**1**	**2.0**
Thrombus																										**1**	
Bilateral, Degeneration, Cystic																										**1**	**2.0**
Bilateral, Hypertrophy, Focal			2																							**1**	**2.0**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia, Focal						2						2								2					1	**12**	**1.8**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hyperplasia																			3							**1**	**3.0**
Parathyroid Gland	M	+	M	M	+	M	+	+	+	+	+	+	M	+	+	+	M	M	+	M	+	+	+	+	**39**		
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Pars Distalis, Hyperplasia															3			4	1	3	1	2			3	**19**	**2.6**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	

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

DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 250 mg/kg female / ANIMAL ID	0644 0326	0730 0327	0730 0328	0730 0329	0730 0330	0729 0331	0729 0332	0729 0333	0360 0334	0729 0335	0488 0336	0726 0337	0729 0338	0538 0339	0729 0340	0668 0341	0538 0342	0729 0343	0729 0344	0638 0345	0677 0346	0730 0347	0605 0348	0730 0349	0730 0350	* TOTALS	
Polyarteritis Nodosa			2																						1	2.0
C-cell, Hyperplasia	3		2			4					3										1		4		10	2.5
GENERAL BODY SYSTEM																											
Peritoneum																	+								1	
GENITAL SYSTEM																											
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Atrophy		2	3				2	2		2		3	2		2		2		2	2		2	3	2	2	38	2.2
Inflammation, Chronic Active																		4								1	4.0
Polyarteritis Nodosa																										1	1.0
Bursa, Cyst						X										X										2	
Corpus Luteum, Cyst																X										1	
Follicle, Cyst				X		X								X	X											9	
Interstitial Cell, Hyperplasia												3														1	3.0
Periovarian Tissue, Cyst																				X					X	3	
Oviduct			+																							2	
Cyst																										1	
Inflammation, Acute			2																							1	2.0
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Adenomyosis						3																				2	2.5
Angiectasis																										1	3.0
Dilation	4		4	4		3																				9	3.4
Hyperplasia, Atypical																		3								5	3.6

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HARLAN SPRAGUE DAWLEY RATS FEMALE

250 mg/kg female

DAY ON TEST	064	073	073	073	073	072	072	072	036	072	048	072	072	053	072	066	053	072	072	063	067	073	060	073	073		
ANIMAL ID	00326	00327	00328	00329	00330	00331	00332	00333	00334	00335	00336	00337	00338	00339	00340	00341	00342	00343	00344	00345	00346	00347	00348	00349	00350	* TOTALS	
Hyperplasia, Stromal																									2	**1**	**2.0**
Inflammation, Acute														2	2											**2**	**2.0**
Inflammation, Chronic Active						3		3																		**7**	**2.4**
Polyarteritis Nodosa						1																				**2**	**1.5**
Squamous Metaplasia	4	2	4	1		2	3	4						2				2	3	4		2		1	2	**30**	**2.1**
Thrombus																										**5**	
Ulcer								1												2						**3**	**1.7**
Cervix, Hyperplasia, Squamous																										**1**	**2.0**
Cervix, Hyperplasia, Stromal																								3		**1**	**3.0**
Endometrium, Hyperplasia, Cystic						4	1			1		1		2	2			1				1	1	1	1	**23**	**1.4**
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Inflammation, Acute	1																									**4**	**1.5**

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Hypercellularity	3	3	3	4		4			3		4	3		3			4	2		2	2			2	2	**34**	**2.9**
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Infiltration Cellular, Plasma Cell																										**2**	**2.0**
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Accessory Spleen									X																	**1**	
Extramedullary Hematopoiesis		3	2	3	2	1	2	2	3	2	3	4	2	3	2	1	3	2	2	2	2	1	2	2	2	**47**	**2.3**
Hemorrhage																	2									**1**	**2.0**
Pigment		1	2		2		1	2		2			1	1	2	2		2	1	1	1	2	2	1	1	**37**	**1.4**
White Pulp, Atrophy																							2			**3**	**3.0**

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

HARLAN SPRAGUE DAWLEY RATS FEMALE
250 mg/kg female

DAY ON TEST / ANIMAL ID	0644 00326	0730 00327	0730 00328	0730 00329	0730 00330	0729 00331	0729 00332	0729 00333	0360 00334	0729 00335	0488 00336	0726 00337	0729 00338	0538 00339	0729 00340	0668 00341	0538 00342	0729 00343	0729 00344	0638 00345	0677 00346	0730 00347	0605 00348	0730 00349	0730 00350	* TOTALS		
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**48**		
Atrophy	2	2	2	2	1	2	1	2	2			3	2	3	1	2	3	2	3	2	2	1	2		1		**43**	**1.9**
INTEGUMENTARY SYSTEM																												
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**		
Galactocele																						1	3		4		**4**	**2.5**
Hyperplasia					1								1									1					**4**	**1.3**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**		
Inflammation, Chronic												2															**1**	**2.0**
MUSCULOSKELETAL SYSTEM																												
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**		
NERVOUS SYSTEM																												
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**		
RESPIRATORY SYSTEM																												
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**		
Infiltration Cellular, Histiocyte	3	2	2	2	1	4	2	1	1	3	1	1	3	1		1	2	3	2	3	1	2	2	2		**45**	**1.8**
Inflammation, Granulomatous					1										1			1	1	1		1				**16**	**1.1**
Inflammation, Chronic Active						2																		1		**4**	**1.3**
Alveolar Epithelium, Hyperplasia	1																									**1**	**1.0**
Bronchiole, Foreign Body, Multiple																										**1**	
Interstitium, Fibrosis																										**1**	**1.0**

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 250 mg/kg female / ANIMAL ID	0644 00326	0730 00327	0730 00328	0730 00329	0730 00330	0729 00331	0729 00332	0729 00333	0360 00334	0729 00335	0488 00336	0726 00337	0729 00338	0538 00339	0729 00340	0668 00341	0538 00342	0729 00343	0729 00344	0638 00345	0677 00346	0730 00347	0605 00348	0730 00349	0730 00350	* TOTALS	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Foreign Body																	X									**2**	
Inflammation, Suppurative																										**1**	**3.0**
Inflammation, Acute																	4									**2**	**2.5**
Inflammation, Chronic																										**1**	**1.0**
Nasolacrimal Duct, Inflammation, Chronic																										**1**	**2.0**
Nasolacrimal Duct, Inflammation, Chronic Active																										**1**	**2.0**
Respiratory Epithelium, Hyperplasia																	2			2						**2**	**2.0**
Respiratory Epithelium, Squamous Metaplasia																										**1**	**2.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
SPECIAL SENSES SYSTEM																											
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Fibrosis																										**1**	**2.0**
URINARY SYSTEM																											
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Amphophilic/Vacuolar Hyperplasia																	2									**1**	**2.0**
Nephropathy, Chronic Progressive	1	3	3	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	1	2	1	2	1	2	4	**45**	**1.6**
Renal Tubule, Cyst																										**1**	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	

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HARLAN SPRAGUE DAWLEY RATS FEMALE

750 mg/kg female

DAY ON TEST	0729	0600	0629	0475	0729	0729	0650	0675	0729	0004	0729	0501	0729	0637	0617	0578	0635	0730	0730	0730	0430	0551	0570	0478	0532	
ANIMAL ID	00351	00352	00353	00354	00355	00356	00357	00358	00359	00360	00361	00362	00363	00364	00365	00366	00367	00368	00369	00370	00371	00372	00373	00374	00375	**females (cont...)**
ALIMENTARY SYSTEM																										
Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion		2																								
Polyarteritis Nodosa																										
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan																										
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parasite Metazoan									X																	
Polyarteritis Nodosa											2									2						
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Polyarteritis Nodosa																				2						
Liver	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis													1													
Clear Cell Focus					X				X											X						
Degeneration, Cystic																		1								
Eosinophilic Focus					X						X							X		X		X				
Extramedullary Hematopoiesis								1								1								1		
Hepatodiaphragmatic Nodule								X																		
Necrosis		2		2			2	2							1											

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

DAY ON TEST	0729	0600	0629	0475	0729	0729	0650	0675	0729	0004	0729	0501	0729	0637	0617	0578	0635	0730	0730	0730	0430	0551	0570	0478	0532	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
750 mg/kg female ANIMAL ID	00351	00352	00353	00354	00355	00356	00357	00358	00359	00360	00361	00362	00363	00364	00365	00366	00367	00368	00369	00370	00371	00372	00373	00374	00375	**females (cont...)**
Bile Duct, Cyst									X										X					X		
Bile Duct, Dilation																										
Bile Duct, Hyperplasia									1						1		1	1						1		
Mesentery																										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic																										
Polyarteritis Nodosa											2			2												
Acinus, Atrophy														4												
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst, Squamous							X																			
Inflammation, Chronic														2												
Inflammation, Chronic Active		2																								
Mineral		1																								
Polyarteritis Nodosa														2												
Ulcer		2																								
Epithelium, Hyperplasia														3						1						
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion																								2		
Mineral																							1			
Polyarteritis Nodosa																				2						
Tooth																										
Dysplasia																										
Inflammation, Chronic																										

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+ .. Tissue examined microscopically
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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

DAY ON TEST	072	060	062	047	072	072	065	067	072	000	072	050	072	063	061	057	063	073	073	073	043	055	057	047	053	
HARLAN SPRAGUE DAWLEY RATS FEMALE	9	0	9	5	9	9	0	5	9	4	9	1	9	7	7	8	5	0	0	0	0	1	0	8	2	
750 mg/kg 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...)**
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+	+	+		+	+	+		M	+		+	+	+	+	+		+	+	+	+	+	
Mineral																										
Carotid Artery, Polyarteritis Nodosa																										
Heart	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy			1				1													1			1		1	
Polyarteritis Nodosa																										
Endocardium, Hyperplasia, Schwann Cell																	2									
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	
Angiectasis									1		2															
Degeneration, Cystic		2			1		2															1	1			
Hyperplasia, Focal					1								2									1				
Necrosis																										
Thrombus																										
Bilateral, Hyperplasia, Focal																	1									
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	
Hyperplasia, Focal						1								2				1								
Bilateral, Hyperplasia, Focal											1															
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia			1																							
Parathyroid Gland	M	M	+	+	M	+	+	+	M	+	+	M	+	+	+	+	+	+	+	M	+	I	+	+	M	

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DAY ON TEST	0729	0600	0629	0475	0729	0729	0650	0675	0729	0004	0729	0501	0729	0637	0617	0578	0635	0730	0730	0730	0430	0551	0570	0478	0532	
HARLAN SPRAGUE DAWLEY RATS FEMALE																										
750 mg/kg female																										
ANIMAL ID	00351	00352	00353	00354	00355	00356	00357	00358	00359	00360	00361	00362	00363	00364	00365	00366	00367	00368	00369	00370	00371	00372	00373	00374	00375	**females (cont...)**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Polyarteritis Nodosa																										
Pars Distalis, Hyperplasia	3	1			4		2	3	3			2	2		2		2		3	3			1	2	3	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Hyperplasia							4	1						2									3			
Follicular Cell, Hyperplasia		2																								
GENERAL BODY SYSTEM																										
NONE																										
GENITAL SYSTEM																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Squamous Metaplasia	1																									
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	2	2	3	2	3	2	1	2	2		2	2	2	2	2		2	2	2	2	2	2	2	3	2	
Cyst							X						X													
Polyarteritis Nodosa							2																			
Follicle, Cyst											X			X	X	X										
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenomyosis																		3								
Angiectasis							4																			
Cyst, Squamous																										
Dilation		4		3		4	4				3								4		4	4	4	2	4	
Hemorrhage		4																					1	3	4	
Hyperplasia, Atypical					2				1																	

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1) Minimal 3) Moderate
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HARLAN SPRAGUE DAWLEY RATS FEMALE
750 mg/kg female

DAY ON TEST	0729	0600	0629	0475	0729	0729	0650	0675	0729	0004	0729	0501	0729	0637	0617	0578	0635	0730	0730	0730	0430	0551	0570	0478	0532	
ANIMAL ID	00351	00352	00353	00354	00355	00356	00357	00358	00359	00360	00361	00362	00363	00364	00365	00366	00367	00368	00369	00370	00371	00372	00373	00374	00375	**females (cont...)**
Inflammation, Acute		4															2						2	3		
Inflammation, Chronic Active				4										2							3				2	
Polyarteritis Nodosa							2																			
Squamous Metaplasia	3	1		2	2		4		1		1	2	1		1		2	2	4	4	2	4	4	1	3	
Thrombus							X																	X		
Ulcer		3		4		4	3															2	3		1	
Cervix, Hyperplasia, Squamous					2																					
Endometrium, Hyperplasia, Cystic					1						3		2		1			2								
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Squamous																										
Inflammation, Chronic																				1						
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage				1								1														
Hypercellularity	2	3	2	3	2	4	3	3	2		2	4	2		4	4	4		3	2	3	4	4	4	4	
Lymph Node																					+					
Lumbar, Infiltration Cellular, Plasma Cell																										
Mediastinal, Hemorrhage																					2					
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy												3														
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Spleen	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	
Extramedullary Hematopoiesis	2	3	2		2	3	3	3	2	2	2		2	1		3	3	2	2	2	2	3	3	3	3	

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1) Minimal 3) Moderate
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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 750 mg/kg female / ANIMAL ID	0729	0600	0629	0475	0729	0729	0650	0675	0729	0004	0729	0501	0729	0637	0617	0578	0635	0730	0730	0730	0430	0551	0570	0478	0532	females (cont...)
	00351	00352	00353	00354	00355	00356	00357	00358	00359	00360	00361	00362	00363	00364	00365	00366	00367	00368	00369	00370	00371	00372	00373	00374	00375	
Pigment	1	1	1		1				1		2		1	1				1		1						
White Pulp, Atrophy				3			2								3						3					
Thymus	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	3	2	1	3	2	3	3	1	2		3		3	1	3	2	3	2	2	2	2	2	4	1	1	
Ectopic Parathyroid Gland																										
Polyarteritis Nodosa																										
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Galactocele								1																		
Hyperplasia											2															
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Skeletal Muscle																										
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Gliosis							3							1												
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Histiocyte	3	2	2	2	3	1	3	2	3		3		4	2		3	2	3	4	2	2	2	2	2	2	

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 750 mg/kg female / ANIMAL ID	0729	0600	0629	0475	0729	0729	0650	0675	0729	0004	0729	0501	0729	0637	0617	0578	0635	0730	0730	0730	0430	0551	0570	0478	0532	**females (cont...)**
	00351	00352	00353	00354	00355	00356	00357	00358	00359	00360	00361	00362	00363	00364	00365	00366	00367	00368	00369	00370	00371	00372	00373	00374	00375	
Inflammation, Granulomatous									1		2			1				1								
Inflammation, Acute																								2		
Inflammation, Chronic Active																1										
Polyarteritis Nodosa																										
Squamous Metaplasia			2				2				1			1												
Thrombus																										
Alveolar Epithelium, Hyperplasia								1																		
Bronchiole, Foreign Body																										
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body																										
Inflammation, Suppurative																										
Inflammation, Acute	3																		1							
Inflammation, Chronic																										
Inflammation, Chronic Active																										
Nasolacrimal Duct, Inflammation, Chronic			1																							
Respiratory Epithelium, Hyperplasia																									1	
Turbinate, Atrophy																										
Trachea	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cornea, Inflammation, Acute																										
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
URINARY SYSTEM																										

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HARLAN SPRAGUE DAWLEY RATS FEMALE

750 mg/kg female

females (cont...)

DAY ON TEST	0729	0600	0629	0475	0729	0729	0650	0675	0729	0004	0729	0501	0729	0637	0617	0578	0635	0730	0730	0730	0430	0551	0570	0478	0532
ANIMAL ID	00351	00352	00353	00354	00355	00356	00357	00358	00359	00360	00361	00362	00363	00364	00365	00366	00367	00368	00369	00370	00371	00372	00373	00374	00375
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Edema, Focal						2																			
Infarct																									2
Inflammation, Chronic																									2
Inflammation, Chronic Active																4									
Nephropathy, Chronic Progressive	1	2	1	1	2	1	3	1	3		3	1	2	3	1	3	1	1	1	4	1	2	2	2	2
Polyarteritis Nodosa							2																		
Capsule, Inflammation, Chronic																									
Pelvis, Dilation						2																			
Pelvis, Inflammation, Chronic												2													
Renal Tubule, Accumulation, Hyaline Droplet															1										
Renal Tubule, Apoptosis		2		3																			2	2	
Renal Tubule, Dilation						2																			
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	072	072	057	057	072	073	073	073	064	073	072	072	062	050	061	070	054	058	054	070	073	049	073	060	071	
HARLAN SPRAGUE DAWLEY RATS FEMALE	9	9	0	1	9	0	0	0	1	0	9	9	5	9	1	2	8	6	0	2	0	8	0	0	9	
750 mg/kg female	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	
ANIMAL ID	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	*** TOTALS**

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	**49**		
Intestine Large, Cecum	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**		
Erosion																											**1**	**2.0**
Polyarteritis Nodosa							1																				**1**	**1.0**
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**		
Parasite Metazoan								X																			**1**	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**		
Parasite Metazoan				X				X																			**3**	
Polyarteritis Nodosa							3																				**3**	**2.3**
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**		
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**		
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**		
Polyarteritis Nodosa																											**1**	**2.0**
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	**48**		
Angiectasis						1	1																				**3**	**1.0**
Clear Cell Focus						X																					**4**	
Degeneration, Cystic							1																				**2**	**1.0**
Eosinophilic Focus	X			X		X	X			X	X	X			X												**13**	
Extramedullary Hematopoiesis			2													2											**5**	**1.4**
Hepatodiaphragmatic Nodule																											**1**	
Necrosis													2				2	2		2							**9**	**1.9**

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DAY ON TEST	072	072	057	057	072	073	073	073	064	073	072	072	062	050	061	070	054	058	054	070	073	049	073	060	071	
HARLAN SPRAGUE DAWLEY RATS FEMALE	9	9	0	1	9	0	0	0	1	0	9	9	5	9	1	2	8	6	0	2	0	8	0	0	9	
750 mg/kg female	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	
ANIMAL ID	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	00	*** TOTALS**
Bile Duct, Cyst						X	X				X						X				X					**8**
Bile Duct, Dilation							2																			**1 2.0**
Bile Duct, Hyperplasia							2		1											3	1					**9 1.3**
Mesentery																				+						**1**
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Inflammation, Chronic												1														**1 1.0**
Polyarteritis Nodosa						2																				**3 2.0**
Acinus, Atrophy				1																						**2 2.5**
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	**48**
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Cyst, Squamous																										**1**
Inflammation, Chronic																										**1 2.0**
Inflammation, Chronic Active																										**1 2.0**
Mineral													1			1										**3 1.0**
Polyarteritis Nodosa						2																				**2 2.0**
Ulcer																										**1 2.0**
Epithelium, Hyperplasia	1																			2						**4 1.8**
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Erosion																										**1 2.0**
Mineral																2										**2 1.5**
Polyarteritis Nodosa																										**1 2.0**
Tooth																				+						**1**
Dysplasia																				3						**1 3.0**
Inflammation, Chronic																				2						**1 2.0**

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

DAY ON TEST	072	072	057	057	072	073	073	073	064	073	072	072	062	050	061	070	054	058	054	070	073	049	073	060	071	
HARLAN SPRAGUE DAWLEY RATS FEMALE	9	9	0	1	9	0	0	0	1	0	9	9	5	9	1	2	8	6	0	2	0	8	0	0	9	
750 mg/kg female ANIMAL ID	00376	00377	00378	00379	00380	00381	00382	00383	00384	00385	00386	00387	00388	00389	00390	00391	00392	00393	00394	00395	00396	00397	00398	00399	00400	*** TOTALS**
CARDIOVASCULAR SYSTEM																										
Blood Vessel	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	**43**
Mineral																				1						**1 1.0**
Carotid Artery, Polyarteritis Nodosa							2																			**1 2.0**
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	**48**
Cardiomyopathy							1	1							3					1						**9 1.2**
Polyarteritis Nodosa							2																			**1 2.0**
Endocardium, Hyperplasia, Schwann Cell																										**1 2.0**
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	**48**
Angiectasis								1																		**3 1.3**
Degeneration, Cystic																1							1			**7 1.3**
Hyperplasia, Focal																								3		**4 1.8**
Necrosis															1				3							**2 2.0**
Thrombus	X																									**1**
Bilateral, Hyperplasia, Focal																										**1 1.0**
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	**48**
Hyperplasia, Focal															1					2						**5 1.4**
Bilateral, Hyperplasia, Focal																		1			3					**3 1.7**
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
Hyperplasia																										**1 1.0**
Parathyroid Gland	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	M	M	+	+	+	+	+	M	**38**

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DAY ON TEST	072	072	057	057	072	073	073	073	064	073	072	072	062	050	066	070	054	058	054	070	073	049	073	060	071	
HARLAN SPRAGUE DAWLEY RATS FEMALE	9	9	0	1	9	0	0	0	1	0	9	9	5	9	1	2	8	6	0	2	0	8	0	0	9	
750 mg/kg female	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	
ANIMAL ID	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**
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**
Polyarteritis Nodosa							2																			**1 2.0**
Pars Distalis, Hyperplasia	1		3		4	1				3		2		1				1						2		**24 2.3**
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**
C-cell, Hyperplasia			4													1										**6 2.5**
Follicular Cell, Hyperplasia																										**1 2.0**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	**49**
Squamous Metaplasia																										**1 1.0**
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	**49**
Atrophy	2	2	2	2	2	2	4	3	1	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2		**47 2.1**
Cyst		X																						X		**4**
Polyarteritis Nodosa																										**1 2.0**
Follicle, Cyst	X					X																				**6**
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	**49**
Adenomyosis																										**1 3.0**
Angiectasis																										**1 4.0**
Cyst, Squamous																X										**1**
Dilation			4	4	4				4				4	4			4		4	4	4		4			**22 3.8**
Hemorrhage			4		2								3				4									**8 3.1**
Hyperplasia, Atypical		1									1												1			**5 1.2**

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HARLAN SPRAGUE DAWLEY RATS FEMALE

750 mg/kg female

DAY ON TEST	0729	0729	0570	0571	0729	0730	0730	0730	0641	0730	0729	0729	0625	0509	0661	0702	0548	0586	0540	0702	0730	0498	0730	0600	0719	
ANIMAL ID	00376	00377	00378	00379	00380	00381	00382	00383	00384	00385	00386	00387	00388	00389	00390	00391	00392	00393	00394	00395	00396	00397	00398	00399	00400	* TOTALS
Inflammation, Acute																										4 2.8
Inflammation, Chronic Active				2	2												2									7 2.4
Polyarteritis Nodosa																										1 2.0
Squamous Metaplasia	1	1	4	4	1	2	1	4		1	1	3		4	2	2		1	3	3		4		2		38 2.3
Thrombus			X										X										X			5
Ulcer									3														1			9 2.7
Cervix, Hyperplasia, Squamous						1		4																		3 2.3
Endometrium, Hyperplasia, Cystic	1	1				1				2	1					2		1		3						13 1.6
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia, Squamous								2																		1 2.0
Inflammation, Chronic																										1 1.0

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hemorrhage		1							3		2							1	1			1			1	9 1.3
Hypercellularity		2	4	4	3		2	2	2				4	4	3	4	4	4	4	4	4	2	4	4	4	42 3.2
Lymph Node				+																+						3
Lumbar, Infiltration Cellular, Plasma Cell				3																						1 3.0
Mediastinal, Hemorrhage																										1 2.0
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	49
Atrophy																										1 3.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	49
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Extramedullary Hematopoiesis	2	2	3	3	2	2	2	2	2	2	2	2	3	2	2	4	2	4	3	3	3	2	3	4	3	47 2.5

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 750 mg/kg female / ANIMAL ID	0729 0376	0729 0377	0570 0378	0571 0379	0729 0380	0730 0381	0730 0382	0730 0383	0641 0384	0730 0385	0729 0386	0729 0387	0625 0388	0509 0389	0661 0390	0702 0391	0548 0392	0586 0393	0540 0394	0702 0395	0730 0396	0498 0397	0730 0398	0600 0399	0719 0400	* TOTALS	
Pigment	1	1				2	1	1	1	2	2	2			1							1				**21**	**1.2**
White Pulp, Atrophy															3		2		2			1			3	**9**	**2.4**
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	**48**	
Atrophy	2	2	3	3	3	2	3	2	2	2	1	1	3	2	3	2	3		2		1	4	1	4		**45**	**2.3**
Ectopic Parathyroid Gland	3	2																								**2**	**2.5**
Polyarteritis Nodosa							1																			**1**	**1.0**
INTEGUMENTARY SYSTEM																											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**49**	
Galactocele	4																									**2**	**2.5**
Hyperplasia															4											**2**	**3.0**
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
MUSCULOSKELETAL SYSTEM																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Skeletal Muscle																				+						**1**	
NERVOUS SYSTEM																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Gliosis																										**2**	**2.0**
RESPIRATORY SYSTEM																											
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	**48**	
Infiltration Cellular, Histiocyte	3	2	2	2	2	2	2	2	2	3	2	2	3	2	2	2	1	2	2	1	2	3	4	3		**46**	**2.3**

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DAY ON TEST / HARLAN SPRAGUE DAWLEY RATS FEMALE / 750 mg/kg female / ANIMAL ID	0729 0037 76	0729 0037 77	0570 0037 78	0571 0037 79	0729 0038 80	0730 0038 81	0730 0038 82	0730 0038 83	0641 0038 84	0730 0038 85	0729 0038 86	0729 0038 87	0625 0038 88	0509 0038 89	0661 0039 90	0702 0039 91	0548 0039 92	0586 0039 93	0540 0039 94	0702 0039 95	0730 0039 96	0498 0039 97	0730 0039 98	0600 0039 99	0719 0040 00	* TOTALS	
Inflammation, Granulomatous	1	1		2							1					1								1		**10**	**1.2**
Inflammation, Acute															4											**2**	**3.0**
Inflammation, Chronic Active																										**1**	**1.0**
Polyarteritis Nodosa							1																			**1**	**1.0**
Squamous Metaplasia																										**4**	**1.5**
Thrombus													X	X												**2**	
Alveolar Epithelium, Hyperplasia																										**1**	**1.0**
Bronchiole, Foreign Body				X																						**1**	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Foreign Body															X			X								**2**	
Inflammation, Suppurative															4											**1**	**4.0**
Inflammation, Acute																									1	**3**	**1.7**
Inflammation, Chronic	1			2																2						**3**	**1.7**
Inflammation, Chronic Active																		1								**1**	**1.0**
Nasolacrimal Duct, Inflammation, Chronic			1			1											1		1							**5**	**1.0**
Respiratory Epithelium, Hyperplasia																										**1**	**1.0**
Turbinate, Atrophy																				1						**1**	**1.0**
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	**48**	
SPECIAL SENSES SYSTEM																											
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
Cornea, Inflammation, Acute													1													**1**	**1.0**
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**	
URINARY SYSTEM																											

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Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	**49**
Edema, Focal																										**1 2.0**
Infarct												1														**2 1.5**
Inflammation, Chronic																										**1 2.0**
Inflammation, Chronic Active																										**1 4.0**
Nephropathy, Chronic Progressive	3	2	1	1	2	3	4	3	1	1	2	1	1	1	3	2	1		1	3	2	1	1	1		**47 1.8**
Polyarteritis Nodosa							2																			**2 2.0**
Capsule, Inflammation, Chronic														1												**1 1.0**
Pelvis, Dilation																										**1 2.0**
Pelvis, Inflammation, Chronic																										**1 2.0**
Renal Tubule, Accumulation, Hyaline Droplet																										**1 1.0**
Renal Tubule, Apoptosis																										**4 2.3**
Renal Tubule, Dilation																										**1 2.0**
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	**50**

*** END OF REPORT ***

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