F1_M3

C Number:	C95003C
Lock Date:	01/29/2007
Cage Range:	ALL
Date Range:	ALL
Reasons For Removal:	ALL
Removal Date Range:	ALL
Treatment Groups:	Include ALL
Study Gender:	Both
TDMSE Version:	2.1.0

ANIMAL NUM:	1	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	521
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
		Hypertrophy	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Hyperplasia	Lymphoid, Mild
* Liver		Hepatocellular Carcinoma	
		Necrosis	Focal, Moderate
[Hepatocellular Carcinoma TGLs = 4-21, 5-22, 6-23]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
[Hepatocellular Carcinoma TGLs = 10-2]			
Lymph Node	Renal	Hyperplasia	Lymphoid, Moderate
	Iliac	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLs = 8-25]			
[Hyperplasia TGLs = 7-24]			
* Preputial Gland		Inflammation	Chronic Active, Marked
[Inflammation TGLs = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLs = 3-6]			
* Testes	Germinal Epith	Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	1	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	521
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112366

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Preputial Gland Inflammation

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	2	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	709
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
* Stomach, Glandular			

OBSERVATIONS

* Brain	Hemorrhage	Minimal
* Heart	Cardiomyopathy	Minimal
* Islets, Pancreatic	Hyperplasia	Minimal
* Kidney	Metaplasia	Osseous, Mild
* Liver	Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLs = 3-22]		
* Lung	Alveolar/Bronchiolar Carcinoma	
	Hemorrhage	Mild
	Infiltration Cellular	Histiocyte, Mild
Note: Infiltrating histiocytes contained intracytoplasmic eosinophilic crystals.		
[Alveolar/Bronchiolar Carcinoma TGLs = 4-23]		
[Hemorrhage TGLs = 5-2]		
[Infiltration Cellular TGLs = 5-2]		
Mesentery Fat	Necrosis	Mild
[Necrosis TGLs = 2-21]		
* Preputial Gland	Inflammation	Chronic, Mild
* Salivary Glands	Mineralization	Minimal
* Thymus	Cyst	Mild

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	3	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
		Hypertrophy	Focal, Minimal
* Kidney		Cyst	Mild
		Hyperplasia	Lymphoid, Mild
		Metaplasia	Osseous, Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Carcinoma	
		Necrosis	Focal, Minimal
[Clear Cell Focus TGLs = 1-21]			
[Hepatocellular Carcinoma TGLs = 2-22]			
* Prostate	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	4	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	619
		DOSE:	0 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112369

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Harderian Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Mild
* Liver		Eosinophilic Focus Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLs = 2-21]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: Hepatocellular carcinoma metastases were very small lesions.			
* Lymph Node, Mesenteric		Hemorrhage	Marked
* Nose		Inflammation	Chronic, Minimal
* Pancreas		Metaplasia	Hepatocyte, Minimal
* Spleen	Lymph Follic	Atrophy Hematopoietic Cell Proliferation	Mild Moderate
* Testes	Germinal Epith	Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	5	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

INSUFFICIENT TISSUE

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Moderate
* Harderian Gland		Inflammation	Chronic, Mild
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Moderate
* Liver		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
Note: TGL 6-23 Encapsulated mass was diffusely necrotic.			
[Hemangiosarcoma TGLs = 5-22]			
[Hepatocellular Adenoma TGLs = 3-6, 4-6]			
[Hepatocellular Carcinoma TGLs = 2-21, 6-23]			
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Moderate
		Hyperplasia	Lymphoid, Marked
		Hyperplasia	Plasma Cell, Moderate
		Hyperplasia	Histiocytic, Moderate
		Infiltration Cellular	Neutrophil, Moderate
[Hematopoietic Cell Proliferation TGLs = 1-5]			
[Hyperplasia TGLs = 1-5]			
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	5	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112370

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Erosion	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	6	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	521
		DOSE:	0 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Harderian Gland		Adenoma	
* Intestine Small, Jejunum		Adenoma	
[Adenoma TGLs = 4-22]			
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Necrosis	Focal, Moderate
[Necrosis TGLs = 2-21]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLs = 6-2]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
		Hyperplasia	Plasma Cell, Mild
		Infiltration Cellular	Neutrophil, Mild
[Hyperplasia TGLs = 3-5]			
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
[Fibrosarcoma TGLs = 7-23]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLs = 1-6]			
* Thymus		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	6	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	521
		DOSE:	0 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112371

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	7	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
		Hypertrophy	Focal, Moderate
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
[Clear Cell Focus TGLs = 1-21]			
* Prostate	Epithelium	Hyperplasia	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLs = 2-4]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	8	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112373

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Adrenal Medulla		Hyperplasia	Minimal
* Bone	Cranium	Osteopetrosis	Mild
[Osteopetrosis TGLs = 8-24]			
* Harderian Gland		Fibrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum		Carcinoma	
[Carcinoma TGLs = 7-23]			
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: TGL 5 slide #6 Abnormal fissures and lobulations are not routinely tabulated.			
[Eosinophilic Focus TGLs = 4-22]			
[Hepatocellular Adenoma TGLs = 1-6, 3-21]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Marked
Note: Infiltrating histiocytes contained intracytoplasmic eosinophilic crystals.			
[Alveolar/Bronchiolar Carcinoma TGLs = 6-2]			
* Prostate	Epithelium	Hyperplasia	Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Urinary Bladder		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	9	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112374

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Epididymis		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum		Inflammation	Acute, Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLs = 2-21]			
* Lung		Hyperplasia	Lymphoid, Mild
	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
		Metaplasia	Osseous, Minimal
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Moderate
		Hyperplasia	Lymphoid, Mild
[Hematopoietic Cell Proliferation TGLs = 1-5]			
[Hyperplasia TGLs = 1-5]			
* Stomach, Glandular	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLs = 3-22]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	10	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skin	* Spleen	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Gallbladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
		Hypertrophy	Focal, Marked
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[Clear Cell Focus TGLs = 3-21]			
[Hepatocellular Adenoma TGLs = 4-22]			
[Hepatocellular Carcinoma TGLs = 5-23]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLs = 6-24]			
* Prostate	Epithelium	Hyperplasia	Mild
* Seminal Vesicle		Infiltration Cellular	Moderate
		Inflammation	Chronic, Minimal
Note: Infiltration, cellular-erythrocytes. Hemorrhage not available for seminal vesicle on TDMS.			
[Infiltration Cellular TGLs = 2-7]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLs = 7-25]			
* Stomach, Glandular		Cyst	Mild
		Inflammation	Acute, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	11	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112376

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Seminal Vesicle	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLs = 2-21]			
* Lymph Node, Mesenteric		Atrophy	Mild
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Prostate	Epithelium	Hyperplasia	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
* Stomach, Forestomach		Erosion	Minimal
* Testes	Germinal Epith	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	12	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112377

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Intestine Large, Cecum	Carcinoma	
[Carcinoma TGLs = 3-4]		
* Kidney	Cyst	Mild
	Hyperplasia	Oncocytic, Mild
	Hyperplasia	Lymphoid, Mild
	Nephropathy	Moderate
[Nephropathy TGLs = 1-5]		
* Liver	Eosinophilic Focus	
	Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLs = 5-22]		
* Lymph Node, Mesenteric	Carcinoma	Metastatic (Intestine Large, Cecum)
[Carcinoma TGLs = 2-5]		
* Preputial Gland	Inflammation	Chronic, Mild
* Stomach, Forestomach Epithelium	Hyperplasia	Mild
[Hyperplasia TGLs = 6-23]		
Tissue NOS	Fibrosis	Mild
[Fibrosis TGLs = 4-21]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	13	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112378

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Marked
* Eye		Atrophy	Marked
		Inflammation	Chronic, Mild
[Atrophy TGLs = 6-44]			
[Inflammation TGLs = 6-44]			
* Harderian Gland		Carcinoma	
[Carcinoma TGLs = 5-12]			
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Hemangiosarcoma	
[Hemangiosarcoma TGLs = 2-22]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Note: TGL 4-2 Infiltrating histiocytes contained intracytoplasmic brown pigment.			
[Infiltration Cellular TGLs = 4-2]			
* Lymph Node, Mesenteric		Atrophy	Moderate
* Nose		Inflammation	Chronic, Mild
* Preputial Gland		Hyperplasia	Squamous, Mild
		Inflammation	Chronic, Mild
* Spleen		Hemangiosarcoma	
[Hemangiosarcoma TGLs = 1-21]			
* Thyroid Gland	Follicular Cel	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	14	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	631
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Stomach, Glandular			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Brain		Congestion	Mild
* Liver		Hepatocellular Carcinoma	Multiple
		Inflammation	Acute, Moderate
		Necrosis	Focal, Moderate
[Hepatocellular Carcinoma	TGLs = 2-21, 3-22]		
* Lung		Congestion	Moderate
* Lymph Node, Mesenteric		Hemorrhage	Marked
* Nose		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	15	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	668
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112380

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Ileum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Pituitary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Colon
* Intestine Small, Duodenum

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Cranium	Osteopetrosis	Mild
[Osteopetrosis TGLs = 16-24]			
* Brain		Carcinoma	Metastatic (Lung)
* Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
* Intestine Small, Jejunum		Carcinoma	Metastatic (Lung)
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Carcinoma	Metastatic (Lung)
		Cyst	Mild
		Infarct	Moderate
		Inflammation	Chronic, Minimal
[Infarct TGLs = 2-5]			
[Inflammation TGLs = 2-5]			
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	Centrilobular	Necrosis	Mild
[Eosinophilic Focus TGLs = 7-22, 17-25]			
[Hepatocellular Adenoma TGLs = 8-23]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	15	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	668
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112380

ORGAN AND ACCOUNTABLE SITE STATUS

	[Hepatocellular Carcinoma TGLs = 6-21]	
* Lung	Alveolar/Bronchiolar Carcinoma	
	Hepatocellular Carcinoma	Metastatic (Liver)
	[Alveolar/Bronchiolar Carcinoma TGLs = 10-2, 11-2, 12-2, 13-2, 14-2, 15-2]	
	[Hepatocellular Carcinoma TGLs = 15-2]	
Lymph Node	Hemorrhage	Moderate
	Pigmentation	Moderate
	[Hemorrhage TGLs = 5-10]	
	[Pigmentation TGLs = 5-10]	
Mesentery	Carcinoma	Metastatic (Lung)
	[Carcinoma TGLs = 4-7]	
* Spleen	Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLs = 3-6]	
Tooth	Malformation	Mild
	[Malformation TGLs = 9-26]	

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: Slide # 3, Mediastinum-metastatic carcinoma in adipose tissue.

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	16	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Marked
[Nephropathy TGLs = 1-5]			
* Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLs = 2-21, 3-22]			
* Skin		Hyperkeratosis	Mild
	SOA	Hyperkeratosis	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Stomach, Glandular		Erosion	Mild
* Testes	Germinal Epith	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	17	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	698
		DOSE:	0 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	Tissue NOS	* Trachea	* Urinary Bladder

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Bone	Sternum	Hemangiosarcoma	Metastatic (Spleen)
[Hemangiosarcoma TGLs = 6-22]			
* Bone Marrow		Hemangiosarcoma	Metastatic (Spleen)
* Heart	Atrium	Hemangiosarcoma	
[Hemangiosarcoma TGLs = 7-12]			
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Hyperplasia	Lymphoid, Mild
[Eosinophilic Focus TGLs = 10-25]			
[Hepatocellular Carcinoma TGLs = 5-21]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Mild
Note: Lung-Infiltrating histocytes contained intracytoplasmic eosinophilic crystals.			
[Alveolar/Bronchiolar Carcinoma TGLs = 8-24]			
* Preputial Gland		Atrophy	Moderate
		Inflammation	Chronic, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
Note: Skin, inflammation observed in skin on face (slide # 9).			
* Spleen		Hemangiosarcoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	17	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	698
		DOSE:	0 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112382

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemangiosarcoma TGLs = 2-23]

PRIMARY CAUSE OF DEATH - Spleen Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	18	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	503
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112383

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	

OBSERVATIONS

* Liver		Hemorrhage	Marked
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Necrosis	Focal, Marked
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Hepatocellular Adenoma TGLs = 4-21]			
[Hepatocellular Carcinoma TGLs = 5-22]			
[Necrosis TGLs = 3-6]			
* Lung		Congestion	Moderate
* Lymph Node, Mesenteric		Atrophy	Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Liver Necrosis

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	19	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112384

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
[Clear Cell Focus TGLs = 3-6]			
[Hepatocellular Adenoma TGLs = 1-6, 2-6]			
* Lymph Node, Mesenteric		Atrophy	Mild
* Prostate	Epithelium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	20	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112385

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Degeneration	Fatty, Minimal
Capsule	Hyperplasia	Minimal
* Adrenal Medulla	Hyperplasia	Minimal
* Kidney	Nephropathy	Moderate
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	
	Hepatocellular Carcinoma	
[Eosinophilic Focus TGLs = 3-6]		
[Hepatocellular Adenoma TGLs = 4-6]		
[Hepatocellular Carcinoma TGLs = 2-21]		
* Lymph Node, Mesenteric	Fibrosis	Moderate
	Inflammation	Chronic, Minimal
Note: Fibrosis (lesion was congo red negative). Focal inflammation-multinucleated giant cells surrounding basophilic crystaline material and clear spaces.		
* Nose	Inflammation	Chronic, Mild
* Preputial Gland	Cyst	Mild
[Cyst TGLs = 1-8]		
* Stomach, Forestomach	Erosion	Marked
	Squamous Cell Papilloma	
* Thymus	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	21	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112386

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
	Capsule	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus Eosinophilic Focus Hepatocellular Adenoma	
[Basophilic Focus TGLs = 2-6] [Eosinophilic Focus TGLs = 2-6] [Hepatocellular Adenoma TGLs = 1-21]			
* Lung		Alveolar/Bronchiolar Adenoma	Multiple

Note: Lung, alveolar/bronchiolar ademona, multiple: Two small masses which appear to have arisen within bronchiolar lumen.

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	22	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112387

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Marked
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Carcinoma	
		Necrosis	Focal, Minimal
[Clear Cell Focus TGLs = 1-6]			
[Hepatocellular Carcinoma TGLs = 1-6]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Seminal Vesicle		Infiltration Cellular	Lymphocyte, Minimal
* Thymus		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	23	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
		Hyperplasia	Marked
* Harderian Gland		Adenoma	
[Adenoma TGLs = 4-12]			
* Islets, Pancreatic		Adenoma	
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	

Note: Hepatocellular adenoma-Lesion included focal bile duct hyperplasia.
[Clear Cell Focus TGLs = 3-6]
[Hepatocellular Adenoma TGLs = 2-6]
[Hepatocellular Carcinoma TGLs = 1-6]

* Prostate	Epithelium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	24	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	691
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112389

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Islets, Pancreatic
* Mammary Gland	* Pituitary Gland	* Stomach, Forestomach	* Testes
* Thyroid Gland	* Trachea		

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Epididymis		Lymphoma Malignant	
* Heart		Lymphoma Malignant	
* Kidney		Metaplasia	Osseous, Mild
* Liver		Congestion	Mild
		Hemorrhage	Minimal
[Congestion TGLs = 11-6]			
[Hemorrhage TGLs = 11-6]			
* Lung		Lymphoma Malignant	
Lymph Node	Mediastinal	Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
	Inguinal	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 13-26]			
[Lymphoma Malignant TGLs = 8-25]			
[Lymphoma Malignant TGLs = 10-22]			
[Lymphoma Malignant TGLs = 4-21]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 3-8]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 14-5]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	24	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	691
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112389

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery			
Note: Meseneteric adipose tissue-lymphoma malignant			
* Nose		Inflammation	Suppurative, Mild
* Pancreas		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 9-7]		
* Preputial Gland		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 1-8]		
* Prostate		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 5-7]		
* Salivary Glands		Lymphoma Malignant	
* Seminal Vesicle		Lymphoma Malignant	
* Skin	SOA	Hyperkeratosis	Moderate
	Epidermis, SOA	Hyperplasia	Minimal
		Lymphoma Malignant	
Note: Slide #65. SOA. Lesions included a serocellular exudate.			
[Lymphoma Malignant	TGLs = 2-8]		
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 17-24]		
* Stomach, Glandular		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
Tooth			
Note: Tooth-inflammation, acute, moderate			
* Urinary Bladder		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH - Prostate Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	25	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Adenoma	
	Capsule	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Carcinoma	
[Clear Cell Focus TGLs = 2-22]			
[Hepatocellular Carcinoma TGLs = 1-21]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	26	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
		Hypertrophy	Focal, Moderate
* Brain		Hemorrhage	Minimal
* Epididymis		Necrosis	Moderate

Note: TGL 1-7 Mass consisted of necrotic and mineralized adipose tissue surrounded by a thick fibrous connective tissue wall.
[Necrosis TGLs = 1-7]

* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Mild
		Metaplasia	Osseous, Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Marked
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	Multiple
		Necrosis	Focal, Minimal

Note: TGL 8-25 resembles a large vacuolated cell focus of cellular alteration as described in PATHOLOGY OF THE MOUSE pg 142, 144 . Cache River Press 1999.
[Clear Cell Focus TGLs = 3-21, 6-23, 10-6]
[Eosinophilic Focus TGLs = 5-6, 9-26]
[Fatty Change TGLs = 8-25]
[Hepatocellular Adenoma TGLs = 4-22, 7-24]

* Prostate	Epithelium	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	27	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
	Capsule	Hyperplasia	Mild
* Harderian Gland		Hyperplasia	Focal, Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	

Note: Hepatocellular adenoma also observed on slide #6.
[Hepatocellular Adenoma TGLs = 2-22, 3-23]
[Hepatocellular Carcinoma TGLs = 1-21]

* Lymph Node, Mesenteric		Atrophy	Minimal
Mesentery	Fat	Necrosis	Moderate

Note: TGL 4-24 and 5-25 Lesion included fibrosis and chronic inflammation.
[Necrosis TGLs = 4-24, 5-25]

* Prostate	Epithelium	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	28	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112393

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Kidney		Metaplasia	Osseous, Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 1-6+21]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mesenteric		Atrophy	Minimal
* Skin	SOA	Hyperkeratosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	29	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	714
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112394

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Thymus

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Colon	* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
		Angiectasis	Moderate
[Adenoma TGLs = 2-7]			
[Angiectasis TGLs = 2-7]			
* Kidney		Cyst	Mild
		Metaplasia	Osseous, Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
* Lung		Alveolar/Bronchiolar Carcinoma	
		Inflammation	Suppurative, Marked
		Necrosis	Marked
Note: TGL 3-2 Lesion included numerous bacteria.			
[Alveolar/Bronchiolar Carcinoma TGLs = 4-2]			
[Inflammation TGLs = 3-2]			
[Necrosis TGLs = 3-2]			
* Lymph Node, Mandibular		Hemorrhage	Mild
* Lymph Node, Mesenteric		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	29	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	714
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112394

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Angiectasis	Mild
* Skin	Hemangioma	
Note: Skin-hemangioma (ventral abdomen) slide #8.		
* Stomach, Glandular	Metaplasia	Squamous, Mild
	Ulcer	Marked
[Ulcer TGLs = 5-4]		

PRIMARY CAUSE OF DEATH	- Lung	Alveolar/Bronchiolar Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Lung	Inflammation
	- Lung	Necrosis

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	30	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112395

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Degeneration	Fatty, Minimal
	Capsule	Hyperplasia	Minimal
* Intestine Small, Jejunum		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 5-24]			
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Mild
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Hepatoblastoma	
		Hepatocellular Adenoma	
		Necrosis	Focal, Minimal
[Eosinophilic Focus TGLs = 2-22]			
[Hepatoblastoma TGLs = 3-23]			
[Hepatocellular Adenoma TGLs = 1-21]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLs = 4-2]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mesenteric		Atrophy	Minimal
* Prostate	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	30	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112395

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands	Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	31	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112396

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Harderian Gland		Inflammation	Chronic, Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	Mild
		Nephropathy	Moderate
* Liver		Angiectasis	Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
Note: TGL 8-22 Additional lesion on slide # 6			
[Hepatocellular Carcinoma TGLs = 8-22]			
Lymph Node	Iliac	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 7-21]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 5-5]			
* Preputial Gland		Inflammation	Chronic, Mild
* Skin	SOA	Hyperkeratosis	Mild
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 4-6]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Ulcer	Moderate
* Urin Bladder			
Note: TGL 1 slide #8 "Dilatation" is not an available diagnosis for urinary bladder in TDMS.			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	32	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112397

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Minimal
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Marked
		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Carcinoma	
		Necrosis	Focal, Minimal
[Angiectasis TGLs = 4-22]			
[Basophilic Focus TGLs = 2-6]			
[Clear Cell Focus TGLs = 2-6]			
[Hepatocellular Carcinoma TGLs = 3-21]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLs = 5-2]			
* Prostate	Epithelium	Hyperplasia	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	33	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112398

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Prostate	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Minimal
* Harderian Gland		Hyperplasia	Focal, Moderate
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	

Note: Hepatocellular adenoma-additional lesions on slide # 6.
[Basophilic Focus TGLs = 5-24]
[Hepatocellular Adenoma TGLs = 3-22, 4-23]
[Hepatocellular Carcinoma TGLs = 2-21]

* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Urin Bladder			

Note: "Dilatation" is not available as a diagnosis for urinary bladder in TDMS.

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	34	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	721
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112399

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Heart
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Harderian Gland

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
Note: TGL 3-21 Additional lesion on slide # 6. [Hepatocellular Adenoma TGLs = 3-21]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	35	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	585
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112400

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Heart
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	* Trachea	

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Spleen	* Stomach, Glandular	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	

[Hepatocellular Adenoma TGLs = 1-6]
[Hepatocellular Carcinoma TGLs = 2-21]

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	36	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	622
		DOSE:	0 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112401

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Seminal Vesicle
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	Mild
		Nephropathy	Minimal
* Liver		Hemangiosarcoma	
		Hepatocellular Carcinoma	
[Hemangiosarcoma TGLs = 10-6]			
[Hepatocellular Carcinoma TGLs = 9-24]			
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Mild
	Iliac	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLs = 1-21]			
[Hyperplasia TGLs = 8-23]			
* Lymph Node, Mesenteric		Atrophy	Minimal
* Nose		Inflammation	Chronic, Minimal
* Preputial Gland		Cyst	Mild
[Cyst TGLs = 3-8]			
* Salivary Glands		Atrophy	Mild
Note: Atrophy- slide # 25			
* Skin	Subcut Tiss	Hemangiosarcoma	
	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	36	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	622
		DOSE:	0 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112401

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 5-25 skin, right fore limb
Note: Slide # 65 SOA- Lesions included a serocellular exudate.
[Hemangiosarcoma TGLs = 5-25]

* Spleen		Hemangiosarcoma	
[Hemangiosarcoma TGLs = 6-6, 6-22]			
* Stomach, Glandular		Erosion	Mild
[Erosion TGLs = 11-4]			
* Testes	Germinal Epith	Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Spleen Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH - Liver Hemangiosarcoma
- Liver Hepatocellular Carcinoma
- Skin Subcut Tiss Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	37	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Focal, Mild
* Adrenal Medulla	Hyperplasia	Minimal
* Kidney	Nephropathy	Mild
* Liver	Clear Cell Focus Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
[Clear Cell Focus TGLs = 5-6] [Hepatocellular Adenoma TGLs = 4-24] [Hepatocellular Carcinoma TGLs = 1-21, 2-22, 3-23]		
* Lung	Alveolar/Bronchiolar Carcinoma Infiltration Cellular	Histiocyte, Moderate
Note: Infiltrating histiocytes contained intracytoplasmic eosinophilic crystals. [Alveolar/Bronchiolar Carcinoma TGLs = 6-2]		
* Parathyroid Gland	Cyst	Mild
* Spleen	Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular	Cyst	Mild
* Thymus	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	38	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112403

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Clear Cell Focus TGLs = 7-6]			
[Hemangiosarcoma TGLs = 6-6]			
[Hepatocellular Adenoma TGLs = 1-21, 2-22, 3-23, 5-24]			
[Hepatocellular Carcinoma TGLs = 4-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Prostate	Epithelium	Hyperplasia	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Seminal Vesicle		Infiltration Cellular	Lymphocyte, Minimal
* Thymus		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	39	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	402
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112404

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma Necrosis	Multiple Focal, Mild

[Hepatocellular Carcinoma TGLs = 1-21, 2-22]

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	40	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112405

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Lung
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Intestine Small, Jejunum		Necrosis	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Mild
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Mixed Cell Focus	
[Hepatocellular Adenoma TGLs = 1-21]			
* Lymph Node, Mandibular		Atrophy	Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
* Preputial Gland		Inflammation	Chronic, Moderate
* Prostate	Epithelium	Hyperplasia	Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	41	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112406

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Moderate
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Necrosis	Focal, Minimal
[Clear Cell Focus TGLs = 3-22]			
[Hepatocellular Adenoma TGLs = 1-6, 2-21]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Prostate	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	42	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112407

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Minimal
* Kidney		Cyst	Mild
		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
		Necrosis	Focal, Minimal
[Hepatocellular Adenoma TGLs = 3-22]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 2-21]			
* Preputial Gland		Inflammation	Chronic, Marked
[Inflammation TGLs = 1-8]			
* Prostate	Epithelium	Hyperplasia	Mild
* Stomach, Glandular	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLs = 5-23]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	43	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112408

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Seminal Vesicle	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
	Capsule	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Mild
[Adenoma TGLs = 2-23]			
* Liver		Clear Cell Focus	
		Hepatocellular Carcinoma	
		Necrosis	Focal, Mild
		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
Note: Metastatic squamous cell carcinoma-slide # 6.			
[Clear Cell Focus TGLs = 4-6]			
[Hepatocellular Carcinoma TGLs = 3-22]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Hemorrhage	Minimal
[Alveolar/Bronchiolar Adenoma TGLs = 5-2]			
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Moderate
Note: Lymph node, mesenteric-Hematopoietic cell proliferation included numerous megakaryocytes in the sinuses.			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild
Skeletal Muscle		Hemangiosarcoma	
[Hemangiosarcoma TGLs = 1-21]			
* Skin	SOA	Hyperkeratosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	43	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112408

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLs = 6-4]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	44	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	598
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112409

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea		

MISSING

* Adrenal Medulla

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Spleen

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney	Pelvis	Dilatation	Mild
	Papilla	Necrosis	Moderate
[Dilatation TGLs = 4-5]			
[Necrosis TGLs = 4-5, 5-5]			
* Liver		Necrosis	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
		Necrosis	Minimal
Urethra	Bulboureth Gl	Necrosis	Marked
Note: Lesion included marked hemorrhage.			
[Necrosis TGLs = 2-21]			
* Urinary Bladder		Hemorrhage	Mild
		Necrosis	Mild

PRIMARY CAUSE OF DEATH - Urethra Bulboureth Gl Necrosis
CONTRIBUTORY CAUSE OF DEATH - Kidney Papilla Necrosis

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	44	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	598
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112409

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	45	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	712
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112410

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Pancreas

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Necrosis	Focal, Minimal
[Hepatocellular Carcinoma TGLs = 2-22]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: Metastatic hepatocellular carcinoma (intravascular tumor emboli)			
* Lymph Node, Mesenteric		Hemorrhage	Moderate
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1-21]			
* Nose		Foreign Body	
* Prostate	Epithelium	Hyperplasia	Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	45	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	712
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112410

ORGAN AND ACCOUNTABLE SITE STATUS

Ulcer Mild

[Squamous Cell Papilloma TGLs = 3-23]
[Ulcer TGLs = 3-23]

Tooth

Note: Moderate acute inflammation and necrosis in one tooth.

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	46	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112411

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Preputial Gland	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLs = 2-21, 3-22, 4-23, 5-24, 6-25, 7-26] [Hepatocellular Carcinoma TGLs = 5-24, 6-25]			
* Lymph Node, Mandibular		Atrophy	Mild
* Parathyroid Gland		Cyst	Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Thymus		Cyst	Mild
* Thyroid Gland		Cyst	Mild

Note: Thyroid gland-Two cilliated cuboidal cell lined cysts located in connective tissue adjacent to the thyroid gland.

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	47	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112412

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Mixed Cell Focus	
[Clear Cell Focus TGLs = 3-6]			
[Hepatocellular Adenoma TGLs = 2-21]			
[Mixed Cell Focus TGLs = 1-6]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Prostate	Epithelium	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	48	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112413

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Harderian Gland		Inflammation	Chronic, Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Mild
		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild

Note: There was a focal mild infiltration of histiocytic-type mononuclear cells and lymphocytes in the adipose tissue surrounding the right kidney.
[Cyst TGLs = 2-5]

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	

[Hepatocellular Adenoma TGLs = 3-21]

* Pituitary Gland	Pars Distalis	Cyst	Mild
* Preputial Gland		Cyst	Mild
		Inflammation	Chronic, Mild

Note: The ducts of 1 preputial gland were expanded and filled with keratin and bacteria.

* Prostate	Epithelium	Hyperplasia	Minimal
* Testes	Germinal Epith	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	49	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112414

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
[Clear Cell Focus TGLs = 7-6]			
[Hepatocellular Adenoma TGLs = 2-22, 3-23, 4-24, 5-25, 6-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
Note: TGL 1-21 included moderate chronic inflammation with fibrosis and adhesions to skeletal muscle and pancreas.			
[Necrosis TGLs = 1-21]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Mild
* Thymus		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	50	**TMT:**	1	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112415

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
	Capsule	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Infarct	Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 1-21, 2-6, 3-6, 4-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	Multiple
		Infiltration Cellular	Histiocyte, Marked
Note: Histiocytes contained intracytoplasmic eosinophilic crystals.			
[Alveolar/Bronchiolar Carcinoma TGLs = 5-2, 6-2]			
* Prostate	Epithelium	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Minimal
* Stomach, Forestomach		Erosion	Mild
* Thymus		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	51	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	509
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112416

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Intestine Large, Rectum
* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Gallbladder
* Intestine Large, Colon
* Intestine Small, Duodenum
* Intestine Small, Ileum
* Intestine Small, Jejunum

INSUFFICIENT TISSUE

* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
		Hypertrophy	Focal, Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Hyperplasia	Lymphoid, Mild
* Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	
		Necrosis	Focal, Moderate

Note: TGL 2-22 This mass contained marked necrosis surrounded by granulation tissue. Basophilic neoplastic cells pallisaded around blood vessles.
[Hepatoblastoma TGLs = 2-22]
[Hepatocellular Carcinoma TGLs = 1-21]

* Preputial Gland	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma
CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	52	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112417

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Hemorrhage	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Hyperplasia	Marked
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
[Hepatocellular Adenoma TGLs = 2-22, 3-6]			
[Mixed Cell Focus TGLs = 1-21]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Prostate		Inflammation	Chronic, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	Subcut Tiss	Hemangiosarcoma	
[Hemangiosarcoma TGLs = 4-23]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	53	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112418

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Mild
		Hyperplasia	Lymphoid, Mild
		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
Note: Hemangiosarcoma-slide #6			
[Hepatocellular Adenoma	TGLs = 1-21, 4-24]		
[Hepatocellular Carcinoma	TGLs = 2-22, 3-23]		
* Lung		Hemorrhage	Mild
* Lymph Node, Mesenteric		Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma	TGLs = 5-25]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	54	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	641
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112419

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* Islets, Pancreatic	* Kidney	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Testes	* Thyroid Gland
* Trachea			

MISSING

* Gallbladder	* Intestine Small, Jejunum	* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Lymph Node, Mesenteric	* Urinary Bladder	

INSUFFICIENT TISSUE

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Brain		Hemorrhage	Minimal
* Liver		Basophilic Focus	
		Congestion	Mild
		Eosinophilic Focus	
		Hemorrhage	Mild
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
		Congestion	Mild
		Infiltration Cellular	Histiocyte, Mild
Note: Lung-Infiltrating histiocytes contained intracytoplasmic eosinophilic crystals.			
[Alveolar/Bronchiolar Carcinoma TGLs = 4-2]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1-21]			
Skeletal Muscle		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
[Alveolar/Bronchiolar Carcinoma TGLs = 6-23, 7-24]			
* Skin	SOA	Hyperkeratosis	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	54	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	641
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112419

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Lymph Follic	Atrophy	Mild
* Stomach, Forestomach		Inflammation	Chronic, Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Cyst	Mild

Note: Thymus tissue with cysts was located on slide #12.

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	55	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112420

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Brain		Meningioma Benign	
* Kidney		Nephropathy	Minimal
* Liver		Mixed Cell Focus	
[Mixed Cell Focus TGLs = 2-22]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1-21]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	56	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	683
		DOSE:	10 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112421

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Testes	* Thymus	* Thyroid Gland	* Trachea

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hemangiosarcoma	
		Hepatocellular Carcinoma	Multiple
[Hemangiosarcoma TGLs = 5-22, 6-23, 7-24, 8-26, 9-6]			
[Hepatocellular Carcinoma TGLs = 5-22, 6-23, 7-24]			
* Skin		Edema	Moderate
	SOA	Hyperkeratosis	Mild
		Inflammation	Chronic, Minimal
[Edema TGLs = 1-21]			
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Hemangiosarcoma	
	Epithelium	Hyperplasia	Mild
		Ulcer	Marked
[Hemangiosarcoma TGLs = 10-4]			
* Stomach, Glandular		Hemangiosarcoma	
		Ulcer	Marked
Tissue NOS		Hemangiosarcoma	
[Hemangiosarcoma TGLs = 4-25]			
* Urinary Bladder		Edema	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	56	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	683
		DOSE:	10 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112421

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Liver	Hepatocellular Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Liver	Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	57	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112422

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
	Capsule	Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
[Eosinophilic Focus TGLs = 8-6] [Hepatocellular Adenoma TGLs = 4-23, 5-24, 6-25, 7-26] [Hepatocellular Carcinoma TGLs = 3-22]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLs = 9-2]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 2-5]			
Mesentery		Hemorrhage	Mild
[Hemorrhage TGLs = 1-21]			
* Preputial Gland		Inflammation	Chronic, Moderate
* Prostate	Epithelium	Hyperplasia	Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	58	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112423

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
	Capsule	Hyperplasia	Moderate
		Hypertrophy	Focal, Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Mild
		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
[Clear Cell Focus TGLs = 1-6]			
[Eosinophilic Focus TGLs = 2-21]			
* Prostate	Epithelium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	59	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	500
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112424

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Rectum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Preputial Gland	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Epididymis		Inflammation	Chronic, Mild
* Heart		Thrombosis	Moderate
Note: Heart-thrombus contains numerous bacteria.			
* Int Lg Rectum			
Note: Rectal tissue-slide # 21			
* Kidney		Casts Granular	Moderate
		Infarct	Moderate
	Papilla	Necrosis	Moderate
Note: Necrosis of collecting ducts with granular casts (degenerate neutrophils, debris, and numerous bacteria). Left kidney lesions were more severe.			
Note: Left kidney-Two acute infarcts in cortex.			
* Liver		Necrosis	Focal, Mild
* Lung		Hemorrhage	Minimal
* Lymph Node, Mesenteric		Atrophy	Minimal
* Prostate	Epithelium	Hyperplasia	Minimal
* Salivary Glands		Inflammation	Chronic Active, Mild
		Necrosis	Moderate
* Skin		Squamous Cell Papilloma	
Note: TGL 1-21 Exophytic mass arose near anus. Squamous, basal, and sebaceous cell differentiation. Moderate necrosis and inflammation of mass.			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	59	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	500
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112424

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Papilloma TGLs = 1-21]

* Spleen	Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH - Heart Thrombosis
CONTRIBUTORY CAUSE OF DEATH - Kidney Infarct
- Kidney Papilla Necrosis
- Salivary Glands Necrosis
- Skin Squamous Cell Papilloma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	60	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112425

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Intestine Small, Jejunum		Carcinoma	
[Carcinoma TGLs = 6-23]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	Mild
		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	
		Necrosis	Focal, Mild
[Hepatocellular Carcinoma TGLs = 3-21]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Skin		Hyperkeratosis	Moderate
	SOA	Hyperkeratosis	Mild
	Epidermis	Hyperplasia	Moderate
	Epidermis, SOA	Hyperplasia	Moderate
	SOA	Ulcer	Moderate
Note: TGL 4-22 and 5-65 Lesions were covered by a serocellular exudate with cocci bacteria.			
[Hyperkeratosis TGLs = 4-22]			
[Hyperkeratosis TGLs = 5-65]			
[Hyperplasia TGLs = 4-22]			
[Hyperplasia TGLs = 5-65]			
[Ulcer TGLs = 5-65]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLs = 2-6]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	61	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112426

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 11-26]			
* Kidney		Nephropathy	Moderate
[Nephropathy TGLs = 6-5]			
* Liver		Carcinoma	Metastatic (Pancreas)
		Hepatocellular Carcinoma	Multiple
Note: Metastatic pancreatic carcinoma observed on slides # 6, 23, 24, and 25.			
[Hepatocellular Carcinoma TGLs = 8-23, 9-24, 10-25]			
Lymph Node			
Note: Metastatic pancreatic carcinoma observed in mediastinal lymph node on slide # 3 and bronchial lymph node on slide #2.			
* Lymph Node, Mesenteric		Carcinoma	Metastatic (Pancreas)
		Lymphoma Malignant	
Note: Metastatic pancreatic carcinoma observed on slide #5.			
[Lymphoma Malignant TGLs = 5-22]			
Mesentery		Carcinoma	Metastatic (Pancreas)
[Carcinoma TGLs = 2-21, 7-5]			
* Nose		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Carcinoma	
Note: Pancreas, carcinoma. Neoplasm had undifferentiated and ductular patterns.			
[Carcinoma TGLs = 4-7]			
* Seminal Vesicle		Carcinoma	Metastatic (Pancreas)
* Skin		Edema	Minimal
	SOA	Hyperkeratosis	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	61	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112426

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
[Hematopoietic Cell Proliferation TGLs = 3-6]			
[Lymphoma Malignant TGLs = 3-6]			
* Stomach, Glandular		Carcinoma	Metastatic (Pancreas)
		Ulcer	Minimal
* Testes	Germinal Epith	Atrophy	Moderate

Animal Note: Metastatic pancreatic carcinoma observed on surface of testis, epididymis, prostate, adrenal glands, spleen, kidney, mesenteric lymph node, and duodenum.

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	62	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112427

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Brain		Hemorrhage	Minimal
* Heart		Lymphoma Malignant	
* Kidney		Cyst	Mild
		Lymphoma Malignant	
		Nephropathy	Mild
* Liver		Inflammation	Chronic, Minimal
		Necrosis	Focal, Mild
* Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Moderate
Note: Histiocytes contained intracytoplasmic eosinophilic crystals.			
[Alveolar/Bronchiolar Carcinoma TGLs = 6-2]			
Lymph Node	Iliac	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 5-22]			
[Lymphoma Malignant TGLs = 3-21]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 4-5]			
Mesentery			
Note: Mesentery-lymphoma malignant slides # 7 and 10.			
* Pancreas		Lymphoma Malignant	
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 2-6]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	62	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112427

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Lymphoma Malignant	

[Lymphoma Malignant TGLs = 7-3]

Animal Note: Mediastinal adipose tissue-lymphoma malignant (slides # 3 and 12).

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	63	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112428

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Harderian Gland		Adenoma	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus Eosinophilic Focus Hepatocellular Adenoma	
[Clear Cell Focus TGLs = 3-6] [Eosinophilic Focus TGLs = 1-6, 3-6] [Hepatocellular Adenoma TGLs = 2-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLs = 4-21]			
* Lymph Node, Mesenteric		Hemorrhage	Moderate
* Nose		Inflammation	Chronic, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	Epidermis, SOA	Hyperplasia	Minimal
Note: Slide #65 Lesion included serocellular exudate.			
* Thymus		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	64	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	714
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112429

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mesenteric	* Thymus

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Brain		Hemorrhage	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Marked
* Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLs = 4-21, 5-22]			
* Preputial Gland		Cyst	Mild
		Inflammation	Chronic, Mild
[Cyst TGLs = 1-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	65	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112430

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Brain		Hyperplasia	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Metaplasia	Osseous, Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Clear Cell Focus TGLs = 4-24]			
[Hepatocellular Adenoma TGLs = 1-21, 2-22]			
[Hepatocellular Carcinoma TGLs = 3-23]			
* Prostate	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	66	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	681
		DOSE:	10 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Gallbladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Harderian Gland		Hyperplasia	Focal, Mild
[Hyperplasia TGLs = 15-12]			
* Heart		Cholangiocarcinoma	Metastatic (Liver)
* Islets, Pancreatic		Cholangiocarcinoma	Metastatic (Liver)
* Kidney		Cholangiocarcinoma	Metastatic (Liver)
		Cyst	Mild
		Infarct	Mild
		Inflammation	Suppurative, Mild
	Papilla	Necrosis	Minimal
		Nephropathy	Moderate
Note: Suppurative inflammation and necrosis-renal papilla of right kidney.			
* Liver		Cholangiocarcinoma	
		Eosinophilic Focus	
		Necrosis	Focal, Moderate
[Cholangiocarcinoma TGLs = 3-6, 4-23, 5-24]			
* Lung		Cholangiocarcinoma	Metastatic (Liver)
	Alveolar Epith	Hyperplasia	Minimal
[Cholangiocarcinoma TGLs = 6-2, 7-2, 8-2, 9-2, 10-2, 11-2]			
Lymph Node		Cholangiocarcinoma	Metastatic (Liver)
	Iliac	Cholangiocarcinoma	Metastatic (Liver)
Note: TGL 12-25 was in the axillary lymph node.			
[Cholangiocarcinoma TGLs = 12-25]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	66	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	681
		DOSE:	10 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112431

ORGAN AND ACCOUNTABLE SITE STATUS

	[Cholangiocarcinoma TGLs = 14-26]		
* Lymph Node, Mesenteric		Cholangiocarcinoma	Metastatic (Liver)
Mesentery		Cholangiocarcinoma	Metastatic (Liver)
	[Cholangiocarcinoma TGLs = 1-21]		
* Nose		Inflammation	Chronic, Mild
* Pancreas		Cholangiocarcinoma	Metastatic (Liver)
* Prostate		Inflammation	Chronic, Mild
Skeletal Muscle		Cholangiocarcinoma	Metastatic (Liver)
	[Cholangiocarcinoma TGLs = 2-22]		
* Spleen	Lymph Follic	Atrophy	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes		Cholangiocarcinoma	Metastatic (Liver)
Note: Cholangiocarcinoma on serosal surface.			
* Thymus		Cholangiocarcinoma	Metastatic (Liver)
Tissue NOS		Cholangiocarcinoma	Metastatic (Liver)
	[Cholangiocarcinoma TGLs = 13-27]		
Tooth			
Note: Tooth-moderate acute inflammation, marked necrosis, and marked dysplasia (degeneration).			

PRIMARY CAUSE OF DEATH - Liver Cholangiocarcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	67	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Bilateral, Capsule	Adenoma	
		Degeneration	Fatty, Minimal
[Adenoma TGLs = 1-10]			
* Bone			
Note: TGL 7-Block #25 missing. Bone (cranium) lesion not observed.			
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Clear Cell Focus TGLs = 5-23]			
[Hepatocellular Adenoma TGLs = 3-21, 4-22]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Atrophy	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 6-24]			
* Prostate	Epithelium	Hyperplasia	Moderate
* Thymus		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	68	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112433

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	Pleura	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

INSUFFICIENT TISSUE

* Bone

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
	Capsule	Hyperplasia	Mild
* Epididymis		Fibrosis	Moderate
		Hemorrhage	Moderate
		Spermatocele	Moderate
[Fibrosis TGLs = 3-7]			
[Hemorrhage TGLs = 3-7]			
[Spermatocele TGLs = 3-7]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 6-23, 7-24, 8-25]			
Mesentery		Hemangiosarcoma	
[Hemangiosarcoma TGLs = 9-26]			
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin	Subcut Tiss	Hemangioma	
[Hemangioma TGLs = 1-21, 2-22]			
* Testes	Germinal Epith	Atrophy	Moderate
* Urin Bladder			

Note: TGL 5 slide #8. Dilatation was not available as a diagnosis for the urinary bladder.

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	69	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112434

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
		Hypertrophy	Focal, Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
[Clear Cell Focus TGLs = 7-6]			
[Hepatocellular Adenoma TGLs = 2-22, 3-23, 4-24, 5-25, 6-26, 7-6]			
* Lung		Hemorrhage	Mild
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 8-5]			
* Prostate	Epithelium	Hyperplasia	Mild
* Skin	Subcut Tiss	Hemangiosarcoma	
[Hemangiosarcoma TGLs = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Glandular		Erosion	Minimal
	Epithelium	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	70	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112435

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
		Degeneration	Fatty, Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Metaplasia	Osseous, Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
[Hepatocellular Adenoma TGLs = 2-21, 3-22, 6-24]			
[Hepatocellular Carcinoma TGLs = 4-6]			
[Mixed Cell Focus TGLs = 5-23]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Fibrosis	Moderate
		Inflammation	Chronic, Mild
[Fibrosis TGLs = 1-7]			
[Inflammation TGLs = 1-7]			
* Skin	SOA	Hyperkeratosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	71	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112436

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Clear Cell Focus TGLs = 5-6]			
[Eosinophilic Focus TGLs = 5-6]			
[Hepatocellular Adenoma TGLs = 1-21, 2-6, 3-6, 4-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLs = 6-22]			
* Lymph Node, Mandibular		Hemorrhage	Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
		Hyperplasia	Plasma Cell, Moderate
		Infiltration Cellular	Neutrophil, Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
	Lymph Follic	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	72	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112437

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	Mild
		Metaplasia	Osseous, Minimal
		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Hepatocellular Carcinoma	Multiple
Note: TGL 1-21 Lesion included moderate biliary hyperplasia. [Hepatocellular Carcinoma TGLs = 1-21, 2-22]			
Lymph Node			
Note: Hepatocellular carcinoma-additional lesion on slide # 6.			
* Lymph Node, Mesenteric		Hemorrhage	Mild
[Hemorrhage TGLs = 3-5]			
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	73	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112438

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
		Hypertrophy	Focal, Mild
* Harderian Gland		Adenoma	
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Mild
	Renal Tubule	Hyperplasia	Minimal
		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Carcinoma	Multiple

Note: TGL 1-21 Lesion included mild bile duct hyperplasia.
[Basophilic Focus TGLs = 3-6]
[Clear Cell Focus TGLs = 3-6]
[Hepatocellular Carcinoma TGLs = 1-21, 2-22]

* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	74	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	590
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112439

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Heart		Hepatocholangiocarcinoma	Metastatic (Liver)
[Hepatocholangiocarcinoma TGLs = 5-12]			
* Int Sm Jejunum			
Note: Autolyzed tissue was present on slide #3, but was very pale and difficult to see.			
* Kidney		Hyperplasia	Lymphoid, Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocholangiocarcinoma	
Note: TGL 4-22 Hepatocellular adenoma also located on slide #6 (small)			
[Hepatocellular Adenoma TGLs = 4-22]			
[Hepatocholangiocarcinoma TGLs = 3-21]			
* Lung		Hepatocholangiocarcinoma	Metastatic (Liver)
		Thrombosis	Minimal
[Hepatocholangiocarcinoma TGLs = 6-2, 7-2, 8-2, 9-2, 10-2, 11-2]			
Lymph Node	Bronchial	Hepatocholangiocarcinoma	Metastatic (Liver)
[Hepatocholangiocarcinoma TGLs = 12-23]			
* Preputial Gland		Inflammation	Chronic, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	74	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	590
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112439

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Ulcer	Mild
[Hyperplasia TGLs = 13-4]			
[Ulcer TGLs = 13-4]			
* Thymus		Hepatocholangiocarcinoma	Metastatic (Liver)

PRIMARY CAUSE OF DEATH - Liver Hepatocholangiocarcinoma
CONTRIBUTORY CAUSE OF DEATH - Heart Hepatocholangiocarcinoma Liver
- Lung Hepatocholangiocarcinoma Liver

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	75	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112440

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Mild
* Intestine Small, Jejunum		Adenoma	
[Adenoma TGLs = 1-21]			
* Kidney		Metaplasia	Osseous, Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLs = 2-22]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	76	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Harderian Gland		Hyperplasia	Marked
* Kidney		Cyst	Mild
		Hyperplasia	Lymphoid, Mild
		Metaplasia	Osseous, Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLs = 2-6]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Preputial Gland		Inflammation	Chronic, Moderate
* Prostate	Epithelium	Hyperplasia	Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Thymus		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	77	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	610
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Gallbladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Moderate
* Liver		Clear Cell Focus	
		Congestion	Marked
		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
[Clear Cell Focus TGLs = 4-22]			
[Eosinophilic Focus TGLs = 4-22]			
[Hepatoblastoma TGLs = 7-24]			
[Hepatocellular Adenoma TGLs = 5-23, 6-6]			
* Preputial Gland		Inflammation	Chronic, Mild
Note: TGL 2, slide #8. The right gland was small due to the lack of dilatation of the ducts.			
* Thymus		Cyst	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	78	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	613
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Ileum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea		

MISSING

* Intestine Large, Colon

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Small, Duodenum	* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
		Hypertrophy	Focal, Mild
* Harderian Gland		Inflammation	Chronic, Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Casts Granular	Minimal
	Pelvis	Dilatation	Mild
		Infarct	Minimal
	Papilla	Necrosis	Mild

Note: Necrosis of the renal papilla (collecting ducts) with granular casts were observed in the left kidney.
[Dilatation TGLs = 3-5]

* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	Hepatocyte	Vacuolization Cytoplasmic	Mild

Note: TGL 5-21 Hepatocellular adenoma was also observed on slide # 6.
[Basophilic Focus TGLs = 4-6]
[Hepatocellular Adenoma TGLs = 4-6]
[Hepatocellular Carcinoma TGLs = 5-21]
[Vacuolization Cytoplasmic TGLs = 4-6]

* Lung		Congestion	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	78	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	613
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112443

ORGAN AND ACCOUNTABLE SITE STATUS

	Hemorrhage	Minimal
Alveolar Epith	Hyperplasia	Mild
[Congestion TGLs = 6-2]		
[Hemorrhage TGLs = 6-2]		
[Hyperplasia TGLs = 7-2]		
* Prostate	Angiectasis	Mild
	Inflammation	Chronic, Mild
[Angiectasis TGLs = 2-7]		
[Inflammation TGLs = 2-7]		
* Seminal Vesicle	Inflammation	Chronic, Minimal
* Spleen	Pigmentation	Mild
* Thymus	Cyst	Mild
* Urinary Bladder	Edema	Mild
	Necrosis	Mild

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	79	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	631
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112444

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Testes	* Thymus	* Thyroid Gland	* Trachea

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Spleen	* Stomach, Glandular	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Harderian Gland		Inflammation	Chronic, Mild
* Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLs = 1-21, 2-22]			
* Lung		Congestion	Mild
* Skin	SOA	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	80	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112445

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Marked
* Harderian Gland		Adenoma	
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Mild
		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLs = 1-6]			
[Hepatocellular Carcinoma TGLs = 3-21]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	81	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112446

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Mild
* Harderian Gland		Adenoma	
		Inflammation	Chronic, Mild
[Adenoma TGLs = 5-12]			
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[Clear Cell Focus TGLs = 1-6]			
[Hepatocellular Adenoma TGLs = 3-6]			
[Hepatocellular Carcinoma TGLs = 2-21, 4-22]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	82	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112447

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Moderate
* Harderian Gland		Adenoma	
[Adenoma TGLs = 3-12]			
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLs = 1-21]			
* Lung		Hemorrhage	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
		Hyperplasia	Plasma Cell, Marked
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
		Hyperplasia	Plasma Cell, Marked
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin	SOA	Fibrosis	Minimal
	SOA	Hyperkeratosis	Moderate
	Epidermis, SOA	Hyperplasia	Moderate
	SOA	Inflammation	Chronic, Mild
	SOA	Ulcer	Moderate

Note: TGL 2-65 Lesion was covered by a serocellular exudate.
[Hyperplasia TGLs = 2-65]
[Ulcer TGLs = 2-65]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	83	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112448

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Focal, Minimal
* Heart	Cardiomyopathy	Minimal
* Intestine Small, Jejunum	Adenoma	
[Adenoma TGLs = 3-21]		
* Kidney	Nephropathy	Moderate
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	
	Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLs = 4-6]		
[Hepatocellular Carcinoma TGLs = 5-22, 6-23]		
* Skin SOA	Hyperplasia	Melanocyte, Minimal
* Spleen	Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLs = 2-6]		
* Stomach, Forestomach	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLs = 7-24]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	84	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112449

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Hyperplasia	Lymphoid, Minimal
* Intestine Small, Jejunum		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 4-3]			
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Mild
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
[Eosinophilic Focus TGLs = 6-6]			
[Hepatocellular Adenoma TGLs = 5-21]			
* Lymph Node, Mesenteric		Atrophy	Minimal
* Parathyroid Gland		Cyst	Mild
* Preputial Gland		Cyst	Mild
		Inflammation	Chronic, Mild
[Cyst TGLs = 1-8]			
[Inflammation TGLs = 1-8]			
* Prostate		Inflammation	Chronic, Marked
Note: Prostate gland-inflammatory lesion was a sperm granuloma.			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Seminal Vesicle		Inflammation	Chronic, Moderate
Note: TGL 2-7 Lesion included moderate fibrosis of the seminal vesicle wall.			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	84	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112449

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLs = 2-7]

* Stomach, Glandular	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	85	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	659
		DOSE:	10 MG/KG	**DISP:**	Accidently Killed	**HISTO:**	112450

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Metaplasia	Osseous, Mild
		Nephropathy	Minimal
* Liver		Hemorrhage	Moderate
		Hepatocellular Adenoma	Multiple

Note: TGL 3-21 Hepatocellular adenoma. This lesion was also observed on slide #6.
[Hemorrhage TGLs = 3-21, 4-22, 5-23]
[Hepatocellular Adenoma TGLs = 3-21]

* Lung		Alveolar/Bronchiolar Adenoma	
		Hemorrhage	Moderate
		Infiltration Cellular	Histiocyte, Mild

Note: Histiocytes contained intracytoplasmic eosinophilic crystals.
[Alveolar/Bronchiolar Adenoma TGLs = 6-2]
[Hemorrhage TGLs = 7-2]

Mesentery		Hemorrhage	Moderate

[Hemorrhage TGLs = 2-5]

* Preputial Gland		Inflammation	Chronic Active, Marked
* Prostate	Epithelium	Hyperplasia	Minimal
Tooth		Malformation	Mild

[Malformation TGLs = 8-24]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	85	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	659
		DOSE:	10 MG/KG	**DISP:**	Accidently Killed	**HISTO:**	112450

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Liver Hemorrhage

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	86	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	513
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

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* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Spleen

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Casts Protein	Minimal
	Renal Tubule	Dilatation	Focal, Minimal
* Liver		Hepatocellular Carcinoma	Multiple
		Necrosis	Focal, Marked

Note: TGL 2-21, 3-22 There was marked necrosis of the 2 masses and the liver parenchyma.
[Hepatocellular Carcinoma TGLs = 2-21, 3-22]

* Lung		Alveolar/Bronchiolar Carcinoma	

Note: TGL 4-23 Lesion also included marked necrosis.
[Alveolar/Bronchiolar Carcinoma TGLs = 4-23]

* Nose		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	87	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	515
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
	Capsule	Hyperplasia	Mild
* Harderian Gland		Adenoma	
[Adenoma TGLs = 8-12]			
* Intestine Large, Rectum		Inflammation	Acute, Minimal
* Intestine Small, Jejunum		Mineralization	Minimal
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney		Infarct	Mild
		Metaplasia	Osseous, Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Histiocytic Sarcoma	
	Hepatocyte	Hypertrophy	Mild
		Necrosis	Focal, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Note: Hypertrophy and cytoplasmic vacuolization-centrilobular.			
[Eosinophilic Focus TGLs = 9-24]			
[Histiocytic Sarcoma TGLs = 6-22]			
* Lym Node Mesen			
Note: No Correlating Lesion TGL 5.			
Lymph Node	Bronchial	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 7-23]			
* Nose		Inflammation	Chronic, Moderate
* Pancreas		Histiocytic Sarcoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	87	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	515
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112452

ORGAN AND ACCOUNTABLE SITE STATUS

[Histiocytic Sarcoma TGLs = 4-7]

* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Cyst Epithelial Inclusion	
	SOA	Hyperkeratosis	Minimal
		Hyperkeratosis	Marked
	Epidermis	Hyperplasia	Marked
		Hyperplasia	Melanocyte, Moderate
		Inflammation	Chronic, Marked
		Metaplasia	Osseous, Marked
		Ulcer	Marked

Note: TGL 2-21 Cyst -ruptured and surrounded by marked inflammation and osseous metaplasia. Overlying epidermis-marked ulceration, hyperplasia and hyperkeratosis.
[Cyst Epithelial Inclusion TGLs = 2-21]
[Hyperkeratosis TGLs = 2-21]
[Hyperplasia TGLs = 2-21]
[Inflammation TGLs = 2-21]
[Metaplasia TGLs = 2-21]
[Ulcer TGLs = 2-21]

PRIMARY CAUSE OF DEATH - Pancreas Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	88	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112453

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Moderate
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Carcinoma	Multiple
[Clear Cell Focus TGLs = 4-23]			
[Hepatocellular Carcinoma TGLs = 5-24, 6-25]			
Mesentery		Fibrosis	Mild
	Fat	Necrosis	Mild
[Fibrosis TGLs = 3-22]			
[Necrosis TGLs = 2-21, 3-22]			
* Preputial Gland		Inflammation	Chronic, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	89	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	626
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112454

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Gallbladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Bile Stasis	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLs = 5-6, 14-24]			
[Hepatocellular Carcinoma TGLs = 4-21, 6-22]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
[Hepatocellular Carcinoma TGLs = 8-2, 9-2, 10-2, 11-2, 12-2, 13-2]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLs = 7-23]			
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
Note: Slide #65 Focal area of epidermal hyperplasia was covered by serocellular exudate.			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLs = 2-6]			

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	89	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	626
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112454

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Lung Hepatocellular Carcinoma Liver

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	90	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112455

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
		Hypertrophy	Focal, Moderate
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic, Marked

Note: Slide #21 included a section of liver with marked necrosis surrounded by chronic inflammation (histiocytic and lymphocytic) and fibrosis.
[Basophilic Focus TGLs = 2-6]
[Clear Cell Focus TGLs = 2-6, 3-22]
[Hepatocellular Adenoma TGLs = 4-23]

* Lung		Alveolar/Bronchiolar Adenoma	

[Alveolar/Bronchiolar Adenoma TGLs = 5-2]

Mesentery	Fat	Necrosis	Mild

Note: TGL 1-21 Necrotic mesenteric adipose tissue which was adhered to a necrotic section of liver.
[Necrosis TGLs = 1-21]

* Prostate	Epithelium	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
* Stomach, Glandular		Metaplasia	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	90	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112455

ORGAN AND ACCOUNTABLE SITE STATUS

Mineralization	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	91	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112456

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Harderian Gland		Hyperplasia	Focal, Mild
* Heart			
Note: Epicardial fiberous fronds-minimum			
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Moderate
* Liver		Hepatocellular Carcinoma	Multiple
		Mixed Cell Focus	
Note: Hepatocellular adenoma-additional lesion on slide # 6.			
[Hepatocellular Carcinoma TGLs = 2-21, 3-22]			
[Mixed Cell Focus TGLs = 4-23]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Prostate	Epithelium	Hyperplasia	Minimal
Note: Lesions observed on slide # 8.			
* Skin	SOA	Hyperkeratosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	92	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112457

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Marked
		Hyperplasia	Focal, Mild
* Epididymis		Inflammation	Chronic, Mild
Note: Chronic inflammation-lesion included numerous cholesterol clefts.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Marked
* Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLs = 2-22, 3-23]			
Mesentery		Hemorrhage	Moderate
[Hemorrhage TGLs = 1-21]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	93	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	711
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112458

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Heart
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Thymus

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Spleen		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Metaplasia	Osseous, Mild
		Nephropathy	Minimal
* Liver		Bile Stasis	Moderate
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	

Note: TGL 5 slide # 26 Abnormal fissures and lobulations are not routinely tabulated.
[Hepatocellular Adenoma TGLs = 7-6]
[Hepatocellular Carcinoma TGLs = 6-23]

* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
[Hepatocellular Carcinoma TGLs = 9-25, 10-2, 11-24, 12-2, 13-2, 14-2]			
Mesentery		Hepatocellular Carcinoma	Metastatic (Liver)
[Hepatocellular Carcinoma TGLs = 2-21]			
Skeletal Muscle		Hepatocellular Carcinoma	Metastatic (Liver)
[Hepatocellular Carcinoma TGLs = 4-22]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	93	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	711
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112458

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: Metastatic hepatocelluar carcinoma observed in the diaphragm (skeletal muscle) and mesentery was undifferentiated with a carcinosarcoma appearance.

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	94	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112459

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
	Capsule	Hyperplasia	Mild
* Bone	Cranium	Osteopetrosis	Mild
[Osteopetrosis TGLs = 6-26]			
* Intestine Large, Colon		Lymphoma Malignant	
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Mild
		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Basophilic Focus TGLs = 5-25]			
[Hepatocellular Adenoma TGLs = 2-22, 3-23, 4-24]			
[Hepatocellular Carcinoma TGLs = 1-21]			
* Preputial Gland		Cyst	Mild
		Inflammation	Chronic, Moderate
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	94	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112459

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	95	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112460

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Seminal Vesicle
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
	Capsule	Hyperplasia	Mild
* Harderian Gland		Carcinoma	
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney		Nephropathy	Mild
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: TGL 2-22 There was a second, small hepatocellular adenoma on slide #22.			
[Hepatoblastoma TGLs = 3-6]			
[Hepatocellular Adenoma TGLs = 2-22]			
[Hepatocellular Carcinoma TGLs = 4-23]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Salivary Glands		Mineralization	Minimal
* Skin	SOA	Erosion	Mild
	Subcut Tiss	Hemangiosarcoma	
	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Inflammation	Chronic, Mild
[Hemangiosarcoma TGLs = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	95	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112460

ORGAN AND ACCOUNTABLE SITE STATUS

	Inflammation	Chronic, Moderate
* Stomach, Glandular	Metaplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	96	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Brain		Hemorrhage	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	Mild
		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLs = 3-23, 4-6, 5-24]			
[Hepatocellular Carcinoma TGLs = 1-21, 2-22]			
* Prostate	Epithelium	Hyperplasia	Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Inflammation	Chronic, Minimal
Note: Slide # 65 SOA- Lesion covered by serocellular exudate.			
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	97	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Seminal Vesicle	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
		Degeneration	Fatty, Mild
* Harderian Gland	Bilateral	Adenoma	
[Adenoma TGLs = 3-12]			
* Kidney		Nephropathy	Mild
* Liver		Mixed Cell Focus	
[Mixed Cell Focus TGLs = 2-21]			
* Preputial Gland		Inflammation	Chronic, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
* Stomach, Forestomach		Edema	Mild
	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic, Mild
* Urinary Bladder		Edema	Mild
		Hyperplasia	Lymphoid, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	98	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112463

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Gallbladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLs = 3-22]			
[Hepatocellular Carcinoma TGLs = 2-21]			
* Pancreas		Lipomatosis	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Salivary Glands		Mineralization	Minimal
* Testes	Germinal Epith	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	99	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112464

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Testes	* Trachea		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
		Hypertrophy	Focal, Minimal
* Epididymis		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Lymphoma Malignant	
[Hepatocellular Adenoma TGLs = 1-6, 2-6]			
[Hepatocellular Carcinoma TGLs = 3-21]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Pancreas		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Seminal Vesicle		Inflammation	Chronic, Mild
* Skin	SOA	Hyperkeratosis	Mild
		Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Inflammation	Chronic, Mild
Note: Slide #65 Lesion included serocellular exudate.			
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 4-22]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	99	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112464

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Urinary Bladder		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	100	**TMT:**	3	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112465

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Mild
* Eye	Cornea	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
* Harderian Gland		Adenoma	
[Adenoma TGLs = 4-12]			
* Intestine Small, Jejunum		Necrosis	Minimal
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney		Cyst	Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
[Clear Cell Focus TGLs = 2-6]			
[Hepatocellular Adenoma TGLs = 1-21, 2-6]			
* Nose		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Minimal
* Stomach, Forestomach		Hemangioma	
[Hemangioma TGLs = 3-22]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	101	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	675
		DOSE:	30 MG/KG	**DISP:**	Natural Death	**HISTO:**	112466

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Harderian Gland
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Testes
* Thyroid Gland	* Trachea		

MISSING

* Thymus

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lymph Node, Mesenteric	* Stomach, Glandular	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
[Adenoma TGLs = 5-10]			
* Heart		Mineralization	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Liver		Hepatocellular Carcinoma	Multiple
		Necrosis	Focal, Marked
[Hepatocellular Carcinoma TGLs = 7-23, 8-24, 9-25, 10-26]			
Lymph Node	Iliac	Hemorrhage	Mild
	Iliac	Hyperplasia	Lymphoid, Mild
[Hemorrhage TGLs = 6-22]			
[Hyperplasia TGLs = 6-22]			
* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Edema	Mild
		Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Mild
[Edema TGLs = 1-21]			
[Hyperkeratosis TGLs = 1-21]			
* Spleen		Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	101	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	675
		DOSE:	30 MG/KG	**DISP:**	Natural Death	**HISTO:**	112466

ORGAN AND ACCOUNTABLE SITE STATUS

	Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLs = 4-6]		
Tissue NOS	Hepatocellular Carcinoma	Metastatic (Liver)
Note: TGL 3-27 TNOS-Tissues included liver and skeletal muscle.		
[Hepatocellular Carcinoma TGLs = 3-27]		

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Liver Necrosis

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	102	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	653
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112467

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Brain		Hemorrhage	Mild
* Eye	Retina	Vacuolization Cytoplasmic	Mild
Note: Eye-vacuolization of the inner plexiform layer of the retina.			
* Heart		Mineralization	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
* Nose		Inflammation	Chronic, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Skin	SOA	Hyperplasia	Melanocyte, Minimal
* Stomach, Glandular		Mineralization	Minimal
* Testes		Angiectasis	Moderate
[Angiectasis TGLs = 3-7]			

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	103	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	698
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112468

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Intestine Small, Duodenum		Carcinoma	
[Carcinoma TGLs = 5-22, 6-4]			
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLs = 3-6, 4-21]			
* Lymph Node, Mesenteric		Atrophy	Mild
* Skin	SOA	Fibrosis	Marked
	SOA	Hyperkeratosis	Marked
	Epidermis, SOA	Hyperplasia	Marked
	SOA	Ulcer	Marked
Note: TGL 1-65 Lesion included a serocellular exudate and numerous cocci bacteria.			
[Hyperplasia TGLs = 1-65]			
[Ulcer TGLs = 1-65]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Cyst	Mild
* Urin Bladder			
Note: TGL 2 slide #8. "Dilatation" not available in TDMS for urinary bladder.			

PRIMARY CAUSE OF DEATH - Skin SOA Ulcer

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	104	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112469

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	Mild
		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Histiocytic Sarcoma	Metastatic (Lung)
[Histiocytic Sarcoma TGLs = 4-23]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Histiocytic Sarcoma	Metastatic (Lung)
[Alveolar/Bronchiolar Carcinoma TGLs = 5-2]			
Lymph Node	Pancreatic	Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLs = 3-22]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1-21]			
* Pancreas			
Note: NO CORRELATING LESION FOR TGL #2.			
* Prostate	Epithelium	Hyperplasia	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
* Stomach, Glandular		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	105	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	521
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112470

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLs = 1-6]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Mild
Note: Histiocytes contained intracytoplamsic eosinophilic crystals.			
[Alveolar/Bronchiolar Carcinoma TGLs = 2-21]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Salivary Glands		Atrophy	Mild
		Mineralization	Minimal
* Skin	SOA	Fibrosis	Minimal
	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	106	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Seminal Vesicle	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
	Capsule	Hyperplasia	Mild
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLs = 8-24]			
[Hepatocellular Carcinoma TGLs = 5-22, 6-23, 7-6, 8-24, 9-25, 10-6]			
* Lung		Hepatoblastoma	Metastatic (Liver)
		Hepatocellular Carcinoma	Metastatic (Liver)
Note: Lung, metastatic hepatocellular carcinoma also observed on slide #2			
Note: TGL 11-27 Metastatic hepatoblastoma-no primary hepatoblastoma was observed in the liver tissue examined.			
[Hepatoblastoma TGLs = 11-27]			
[Hepatocellular Carcinoma TGLs = 11-27, 12-26, 13-28]			
Mesentery		Hepatocellular Carcinoma	Metastatic (Liver)
[Hepatocellular Carcinoma TGLs = 2-21]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
	Epidermis, SOA	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	SOA	Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	106	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112471

ORGAN AND ACCOUNTABLE SITE STATUS

	[Hematopoietic Cell Proliferation TGLs = 4-6]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	[Hyperplasia TGLs = 14-29]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	107	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Necrosis	Focal, Marked

Note: TGL 1-21 Necrotic section of liver surrounded by a thick fibrous connective tissue wall with inflammatory infiltrates.
[Hepatocellular Adenoma TGLs = 3-23]
[Hepatocellular Carcinoma TGLs = 2-22]
[Necrosis TGLs = 1-21]

* Lymph Node, Mesenteric		Atrophy	Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Hyperplasia	Melanocyte, Mild
	SOA	Inflammation	Chronic, Minimal
		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	108	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112473

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Gallbladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Bone	Cranium	Osteopetrosis	Mild
[Osteopetrosis TGLs = 3-23]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLs = 1-21]			
[Hepatocellular Carcinoma TGLs = 2-22]			
* Prostate	Epithelium	Hyperplasia	Minimal
* Stomach, Glandular		Cyst	Mild
		Inflammation	Acute, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	109	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112474

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Gallbladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
	Capsule	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus Hepatocellular Adenoma Hepatocellular Carcinoma	
[Clear Cell Focus TGLs = 3-21] [Hepatocellular Adenoma TGLs = 1-6] [Hepatocellular Carcinoma TGLs = 2-6]			
* Prostate	Epithelium	Hyperplasia Inflammation	Moderate Chronic, Mild
* Skin	Epidermis, SOA	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	110	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112475

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
		Hypertrophy	Focal, Marked
* Kidney		Cyst	Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
* Stomach, Glandular		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	111	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	571
		DOSE:	30 MG/KG	**DISP:**	Natural Death	**HISTO:**	112476

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Gallbladder

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Spleen	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Renal Tubule	Necrosis	Marked
[Necrosis TGLs = 2-22]			
* Liver		Hepatocellular Carcinoma	
		Necrosis	Focal, Moderate
		Thrombosis	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Hepatocellular Carcinoma TGLs = 1-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Kidney Renal Tubule Necrosis
- Liver Necrosis

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	112	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	705
		DOSE:	30 MG/KG	**DISP:**	Natural Death	**HISTO:**	112477

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Colon	* Intestine Small, Duodenum

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Mild
[Hypertrophy TGLs = 4-10]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Marked
Note: Islet cell hyperplasia-slide #23			
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Eosinophilic Focus TGLs = 7-22]			
[Hepatocellular Adenoma TGLs = 8-6, 9-6]			
* Lung		Congestion	Minimal
* Lymph Node, Mesenteric		Hemorrhage	Mild
Mesentery		Fibrosis	Mild
	Fat	Necrosis	Moderate
[Fibrosis TGLs = 2-23]			
[Necrosis TGLs = 3-23]			
* Preputial Gland		Hyperplasia	Mild
		Inflammation	Chronic, Moderate
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLs = 1-21]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	112	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	705
		DOSE:	30 MG/KG	**DISP:**	Natural Death	**HISTO:**	112477

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Lymph Follic	Atrophy	Mild
* Stomach, Forestomach		Ulcer	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	113	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112478

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hypertrophy	Focal, Mild
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Clear Cell Focus TGLs = 4-24, 5-25]			
[Hepatocellular Adenoma TGLs = 1-21, 3-23, 5-25]			
[Hepatocellular Carcinoma TGLs = 2-22]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLs = 7-2]			
* Prostate	Epithelium	Hyperplasia	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
[Hyperplasia TGLs = 8-65]			
* Stomach, Glandular		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	114	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112479

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
		Hypertrophy	Focal, Minimal
* Harderian Gland		Adenoma	
[Adenoma TGLs = 6-12]			
* Kidney		Cyst	Mild
		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Carcinoma	
[Clear Cell Focus TGLs = 3-21]			
[Eosinophilic Focus TGLs = 2-6, 4-22]			
[Hepatocellular Carcinoma TGLs = 5-23]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Preputial Gland		Cyst	Mild
		Inflammation	Chronic, Moderate
[Cyst TGLs = 1-8]			
[Inflammation TGLs = 1-8]			
* Prostate		Inflammation	Chronic, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	114	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112479

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM: 115	**TMT:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 30 MG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 112480

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Pancreas
* Preputial Gland	* Prostate	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Epididymis		Granuloma Sperm	Moderate
[Granuloma Sperm TGLs = 1-7]			
* Harderian Gland		Carcinoma	
[Carcinoma TGLs = 8-12]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Clear Cell Focus TGLs = 4-23]			
[Hepatocellular Adenoma TGLs = 3-22, 5-24, 6-25, 9-27]			
[Hepatocellular Carcinoma TGLs = 7-26]			
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Marked
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 2-21]			
* Nose		Inflammation	Chronic, Minimal
* Parathyroid Gland		Cyst	Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	115	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112480

ORGAN AND ACCOUNTABLE SITE STATUS

	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
* Stomach, Glandular		Cyst	Mild
* Testes	Germinal Epith	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	116	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Mild
* Bone		Osteopetrosis	Moderate
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Metaplasia	Osseous, Mild
		Nephropathy	Mild
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Mild
* Preputial Gland		Cyst	Mild
[Cyst TGLs = 1-8]			
* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
Tooth			

Note: Tooth: Marked chronic-active inflammation, marked dental dysplasia (malformation).

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	117	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Bone Marrow		Myelofibrosis	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
[Clear Cell Focus TGLs = 4-23, 6-25]			
[Hepatocellular Adenoma TGLs = 2-21, 3-22, 5-24]			
* Prostate	Epithelium	Hyperplasia	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	Subcut Tiss	Hemangiosarcoma	
	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
[Hemangiosarcoma TGLs = 1-26]			
[Hyperplasia TGLs = 7-65]			
* Stomach, Glandular		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	118	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	627
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112483

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	
		Necrosis	Focal, Moderate

Note: TGL 3-21 Lesion included marked necrosis and marked hemorrhage.
[Hepatocellular Carcinoma TGLs = 3-21]

* Skin	SOA	Hyperplasia	Melanocyte, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked

[Hematopoietic Cell Proliferation TGLs = 2-6]

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	119	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	596
		DOSE:	30 MG/KG	**DISP:**	Natural Death	**HISTO:**	112484

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	Multiple
		Necrosis	Focal, Marked
[Hepatocellular Carcinoma TGLs = 2-21, 3-22]			
* Stomach, Glandular		Erosion	Moderate
[Erosion TGLs = 4-4]			

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Liver Necrosis

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	120	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112485

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Hemorrhage	Minimal
* Harderian Gland		Adenoma	
[Adenoma TGLs = 5-12]			
* Kidney		Nephropathy	Marked
* Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLs = 3-21, 4-22]			
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
		Hemorrhage	Minimal
		Hepatocellular Carcinoma	Metastatic (Liver)
		Infiltration Cellular	Histiocyte, Mild
Note: Histiocytes contained intracytoplasmic eosinophilic crystals.			
Note: Lung-metastatic hepatocellular carcinoma (intravascular tumor emboli).			
[Alveolar/Bronchiolar Carcinoma TGLs = 6-2]			
* Preputial Gland		Cyst	Mild
		Inflammation	Chronic, Mild
[Cyst TGLs = 1-8]			
* Skin	SOA	Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLs = 2-6]			
* Stomach, Forestomach		Squamous Cell Papilloma	
		Ulcer	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	121	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112486

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
	Capsule	Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 3-21]			
* Preputial Gland		Cyst	Mild
[Cyst TGLs = 1-8]			
* Stomach, Glandular		Cyst	Mild
* Thymus		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	122	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	703
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112487

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
		Hypertrophy	Focal, Mild
* Bone	Cranium	Osteopetrosis	Mild
[Osteopetrosis TGLs = 7-24]			
* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Mild
Note: Cardiomyopathy included minimal suppurative inflammation and mild mineralization.			
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	
[Hepatoblastoma TGLs = 3-21, 6-23]			
[Hepatocellular Adenoma TGLs = 5-22]			
* Lymph Node, Mesenteric		Atrophy	Mild
Mesentery	Fat	Necrosis	Mild
Note: TGL 4-21 Lesion included fibrosis, inflammation, mineralization and hemorrhage.			
[Necrosis TGLs = 4-21]			
* Nose		Inflammation	Chronic, Minimal
Penis		Congestion	Mild
		Inflammation	Acute, Minimal
Note: TGL 1-25 The prepuce was covered by a serocellular exudate.			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	122	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	703
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112487

ORGAN AND ACCOUNTABLE SITE STATUS

[Congestion TGLs = 1-25]
[Inflammation TGLs = 1-25]

* Prostate
Note: Lesion included marked edema.

* Skin	Prepuce	Hyperkeratosis	Moderate
[Hyperkeratosis TGLs = 1-25]			
* Stomach, Forestomach		Edema	Mild
	Epithelium	Hyperplasia	Mild
		Ulcer	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	123	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	471
		DOSE:	30 MG/KG	**DISP:**	Natural Death	**HISTO:**	112488

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Liver		Hepatocellular Carcinoma	
Note: TGL 2-21 Lesion included marked hemorrhage.			
[Hepatocellular Carcinoma TGLs = 2-21]			
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	124	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112489

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
		Necrosis	Focal, Minimal
[Clear Cell Focus TGLs = 2-6]			
[Hepatocellular Adenoma TGLs = 3-21]			
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	125	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	534
		DOSE:	30 MG/KG	**DISP:**	Natural Death	**HISTO:**	112490

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Testes
* Thymus	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
		Hypertrophy	Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLs = 2-22]			
[Hepatocellular Carcinoma TGLs = 1-21]			
* Pancreas		Lipomatosis	Moderate
* Prostate		Inflammation	Chronic, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLs = 3-3]			

PRIMARY CAUSE OF DEATH - Thyroid Gland C Cell Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	126	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112491

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 1-6, 2-21, 3-6]			
* Lung		Metaplasia	Osseous, Minimal
* Prostate	Epithelium	Hyperplasia	Minimal
* Stomach, Glandular		Cyst	Mild
* Thymus		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	127	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112492

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLs = 2-6]			
[Clear Cell Focus TGLs = 2-6]			
* Lung		Inflammation	Chronic, Mild
* Salivary Glands		Atrophy	Minimal
* Skin	SOA	Fibrosis	Minimal
	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 1-6]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	128	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112493

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Minimal
* Harderian Gland		Adenoma	
[Adenoma TGLs = 3-12]			
* Islets, Pancreatic		Adenoma	
Note: Islets, pancreas, adenoma-enlarged islet with cells arranged in ribbons (cells larger with increased basophilic staining of cytoplasm).			
* Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Carcinoma	
[Clear Cell Focus TGLs = 1-6]			
[Eosinophilic Focus TGLs = 1-6]			
[Hepatocellular Carcinoma TGLs = 2-21]			
* Lymph Node, Mesenteric		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Prostate	Epithelium	Hyperplasia	Mild
* Skin	SOA	Hyperplasia	Melanocyte, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	129	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112494

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
		Hypertrophy	Focal, Mild
* Harderian Gland		Carcinoma	
[Carcinoma TGLs = 3-12]			
* Intestine Large, Colon		Lymphoma Malignant	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Metaplasia	Osseous, Mild
		Nephropathy	Minimal
* Liver		Mixed Cell Focus	
[Mixed Cell Focus TGLs = 2-22]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1-21]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Spleen		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	130	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112495

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
		Degeneration	Fatty, Minimal
		Hypertrophy	Focal, Marked
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
[Eosinophilic Focus	TGLs = 3-6]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Preputial Gland		Lymphoma Malignant	
* Prostate	Epithelium	Hyperplasia	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperplasia	Melanocyte, Minimal
[Hyperplasia	TGLs = 1-65]		
* Urinary Bladder		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	131	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112496

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	Penis	* Pituitary Gland
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Intestine Small, Jejunum		Necrosis	Minimal
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
[Hemangiosarcoma TGLs = 2-21, 4-23]			
[Hepatocellular Adenoma TGLs = 3-22, 5-24, 6-6, 7-25]			
* Lung	Alveolar Epith	Hyperplasia	Marked
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	132	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112497

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Testes	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLs = 2-21]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
		Hyperplasia	Plasma Cell, Moderate
		Infiltration Cellular	Neutrophil, Mild
[Hyperplasia TGLs = 3-5]			
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
	Epidermis, SOA	Hyperplasia	Minimal
[Hyperplasia TGLs = 1-65]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic, Mild
* Stomach, Glandular		Inflammation	Acute, Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	133	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	530
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112498

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Nose	Respirat Epith	Hyperplasia	Moderate
Note: Unilateral compression (occlusion) by malformed (dyplastic) and abscessed tooth. This may have caused the clinical observations and led to moribund condition.			
* Preputial Gland		Inflammation	Chronic, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach		Erosion	Mild
	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Mild
Tooth			
Note: Lesions in tooth were likely cause for clinical observations and MSAC, however could not enter lesions in non-protocol required tissue-no gross lesions.			
Note: Slide #9 Tooth-marked malformation with numerous pmns and compression (almost complete occlusion) of one side of the nasal cavity.			

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	134	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112499

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

INSUFFICIENT TISSUE

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
	Capsule	Hyperplasia	Moderate
		Hypertrophy	Focal, Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Moderate
		Clear Cell Focus	
		Hepatocellular Adenoma	
[Angiectasis TGLs = 5-6, 5-21]			
[Clear Cell Focus TGLs = 6-6]			
[Hepatocellular Adenoma TGLs = 6-6]			
* Lung		Hemorrhage	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
	Epidermis, SOA	Hyperplasia	Minimal
[Hyperplasia TGLs = 1-65]			
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 3-6]			
* Stomach, Glandular		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	135	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112500

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Epididymis		Amyloid Deposition	Chronic, Mild
* Kidney		Cyst	Mild
		Nephropathy	Marked
[Cyst TGLs = 2-22]			
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLs = 3-21]			
* Lung	Alveolar Epith	Hyperplasia	Marked
* Lymph Node, Mesenteric		Hemangioma	
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Skin	SOA	Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	136	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	571
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112501

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Stomach, Forestomach
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
	Capsule	Hyperplasia	Mild
* Eye	Cornea	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
* Harderian Gland		Adenoma	
[Adenoma TGLs = 8-12]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
Note: TGL 5-24 Part of this lesion was observed on slide # 6.			
[Clear Cell Focus TGLs = 4-23]			
[Eosinophilic Focus TGLs = 4-23]			
[Hepatocellular Carcinoma TGLs = 3-22, 5-24]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
		Infiltration Cellular	Histiocyte, Minimal
[Alveolar/Bronchiolar Adenoma TGLs = 6-2]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
	Subcut Tiss	Melanoma Benign	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	136	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	571
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112501

ORGAN AND ACCOUNTABLE SITE STATUS

	Ulcer	Marked

Note: TGL 1-21 included marked epithelial hyperplasia, marked chronic inflammation, moderate hyperkeratosis and a serocellular exudate with debris.
[Melanoma Benign TGLs = 7-25]
[Ulcer TGLs = 1-21]

* Spleen	Hematopoietic Cell Proliferation	Marked

[Hematopoietic Cell Proliferation TGLs = 2-6]

* Stomach, Glandular	Erosion	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Harderian Gland Adenoma
- Skin Ulcer

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	137	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
	Capsule	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Metaplasia	Osseous, Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Carcinoma	Multiple

[Clear Cell Focus TGLs = 6-6]
[Hepatocellular Carcinoma TGLs = 1-21, 2-6, 3-22, 4-23, 5-6]

* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Marked

Note: Histiocytes contained intracytoplasmic eosinophilic crystals.
[Alveolar/Bronchiolar Adenoma TGLs = 8-2]

* Prostate	Epithelium	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	138	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112503

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
	Capsule	Hyperplasia	Minimal
		Hypertrophy	Focal, Marked
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Clear Cell Focus TGLs = 3-22]			
[Hepatoblastoma TGLs = 6-24]			
[Hepatocellular Adenoma TGLs = 4-6, 5-23, 7-25]			
[Hepatocellular Carcinoma TGLs = 2-21]			
* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
[Hyperplasia TGLs = 8-65]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	139	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	719
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112504

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Intestine Large, Colon		Edema	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	

Note: TGL 5 slide # 22 Abnormal fissures and lobulations are not routinely tabulated.
[Basophilic Focus TGLs = 3-6]
[Hepatocellular Adenoma TGLs = 2-6]

* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Chronic, Marked
	Respirat Epith	Metaplasia	Squamous, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	
		Ulcer	Mild
* Stomach, Glandular		Necrosis	Minimal
Tooth			

Note: There was marked bilateral dental dysplasia (malformation) which may have contributed to this animals moribund condition.

PRIMARY CAUSE OF DEATH - Nose Inflammation
CONTRIBUTORY CAUSE OF DEATH - Stomach, Forestomach Squamous Cell Papilloma
- Stomach, Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	139	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	719
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112504

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	140	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112505

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Mild
* Epididymis		Granuloma Sperm	Moderate
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 1-21, 2-22, 3-23, 4-6]			
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
* Stomach, Glandular		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	141	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112506

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
		Hypertrophy	Focal, Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Mild
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
		Necrosis	Focal, Minimal
[Hepatocellular Adenoma TGLs = 2-6, 3-21]			
[Hepatocellular Carcinoma TGLs = 4-22]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
[Hyperplasia TGLs = 5-23]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
		Hyperplasia	Plasma Cell, Moderate
		Infiltration Cellular	Neutrophil, Mild
[Hyperplasia TGLs = 1-5]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
* Stomach, Glandular		Inflammation	Acute, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	142	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112507

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Testes	* Thymus	* Thyroid Gland	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Mild
* Intestine Small, Ileum		Inflammation	Acute, Mild
* Intestine Small, Jejunum		Inflammation	Acute, Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	Multiple
Note: TGL 4-21 Lesion included marked necrosis with mineralization and fibrosis.			
[Hepatocellular Carcinoma TGLs = 4-21, 8-24]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Renal	Lymphoma Malignant	
	Iliac	Lymphoma Malignant	
Note: Lymphoma malignant also observed in the mediastinal, inguinal and pancreatic lymph nodes.			
[Lymphoma Malignant TGLs = 6-22]			
[Lymphoma Malignant TGLs = 7-23]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 5-5]			
* Preputial Gland		Cyst	Mild
		Inflammation	Chronic, Mild
[Cyst TGLs = 1-8]			
[Inflammation TGLs = 1-8]			
* Skin	SOA	Fibrosis	Moderate
	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Moderate
	SOA	Inflammation	Chronic, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	142	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112507

ORGAN AND ACCOUNTABLE SITE STATUS

SOA	Ulcer	Moderate
Note: TGL 9-65 Lesions were covered by a serocellular exudate.		
[Hyperkeratosis TGLs = 9-65]		
[Hyperplasia TGLs = 9-65]		
[Inflammation TGLs = 9-65]		
[Ulcer TGLs = 9-65]		
* Spleen	Hematopoietic Cell Proliferation	Marked
	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 3-6]		
* Stomach, Glandular	Inflammation	Acute, Mild
* Trachea	Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	143	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112508

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
	Capsule	Hyperplasia	Minimal
* Harderian Gland		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Cyst	Mild
		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Bile Stasis	Moderate
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLs = 6-23]			
[Hepatocellular Carcinoma TGLs = 4-21, 5-22]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Skin	SOA	Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLs = 3-6]			
* Stomach, Glandular		Inflammation	Acute, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	144	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112509

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Carcinoma	
		Lymphoma Malignant	
		Necrosis	Focal, Minimal
[Hepatocellular Carcinoma TGLs = 6-23]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLs = 5-22]			
* Preputial Gland		Cyst	Mild
		Inflammation	Chronic Active, Mild
[Cyst TGLs = 2-8]			
[Inflammation TGLs = 2-8]			
* Skin	SOA	Fibrosis	Minimal
	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	144	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112509

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Hematopoietic Cell Proliferation	Marked
	Lymphoma Malignant	

[Hematopoietic Cell Proliferation TGLs = 3-6]
[Lymphoma Malignant TGLs = 3-6]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	145	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112510

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLs = 2-6]			
* Pituitary Gland	Pars Intermed	Cyst	Mild
* Preputial Gland		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	146	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112511

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
	Capsule	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLs = 2-21]			
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
[Hyperplasia TGLs = 1-65]			
* Spleen		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	147	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112512

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple

Note: Hepatocellular adenoma also observed on slide # 22
[Hepatocellular Adenoma TGLs = 2-6, 4-6]
[Hepatocellular Carcinoma TGLs = 3-21, 5-22]

* Skin	SOA	Hyperplasia	Melanocyte, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Mild
* Stomach, Glandular		Cyst	Mild
		Metaplasia	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	148	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112513

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
		Hypertrophy	Focal, Minimal
* Kidney		Lymphoma Malignant	
		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
[Eosinophilic Focus TGLs = 11-26]			
[Hepatocellular Carcinoma TGLs = 8-24, 9-25, 10-6]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
		Infiltration Cellular	Histiocyte, Moderate
Note: Histiocytes contained intracytoplasmic eosinophilic crystals.			
[Hepatocellular Carcinoma TGLs = 12-2]			
Lymph Node	Renal	Lymphoma Malignant	
	Iliac	Lymphoma Malignant	
		Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
	Inguinal	Lymphoma Malignant	
Note: TGL 2-21 Axillary lymph node			
[Lymphoma Malignant TGLs = 7-23]			
[Lymphoma Malignant TGLs = 4-22]			
[Lymphoma Malignant TGLs = 2-21]			
[Lymphoma Malignant TGLs = 3-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	148	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112513

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant	TGLs = 1-8]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 5-6]		
* Preputial Gland		Inflammation	Chronic, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Mild

Note: Skin, application site (slide #65). Lesions included a serocelluar exudate.

* Spleen		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 6-6]		
* Stomach, Glandular		Cyst	Mild
		Erosion	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	149	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	649
		DOSE:	30 MG/KG	**DISP:**	Natural Death	**HISTO:**	112514

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Harderian Gland	* Heart	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Gallbladder

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Brain		Hemorrhage	Minimal
* Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLs = 3-21]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
[Alveolar/Bronchiolar Carcinoma TGLs = 6-24, 7-25, 11-2]			
[Hepatocellular Carcinoma TGLs = 7-25, 8-26, 9-26, 10-26, 11-2]			
Skeletal Muscle		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
[Alveolar/Bronchiolar Carcinoma TGLs = 4-22]			
* Skin	SOA	Hyperplasia	Melanocyte, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLs = 2-6]			
* Stomach, Forestomach		Erosion	Mild
	Epithelium	Hyperplasia	Mild
* Thymus		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	149	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	649
		DOSE:	30 MG/KG	**DISP:**	Natural Death	**HISTO:**	112514

ORGAN AND ACCOUNTABLE SITE STATUS

Tissue NOS — Alveolar/Bronchiolar Carcinoma — Metastatic (Lung)
[Alveolar/Bronchiolar Carcinoma TGLs = 5-23]

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Carcinoma
- Lung Hepatocellular Carcinoma Liver
- Skeletal Muscle Alveolar/Bronchiolar Carcinoma Lung
- Tissue NOS Alveolar/Bronchiolar Carcinoma Lung

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	150	**TMT:**	5	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112515

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
	Capsule	Hyperplasia	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Marked
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLs = 5-22]			
[Hepatocellular Carcinoma TGLs = 4-21, 6-23]			
* Preputial Gland		Cyst	Mild
		Inflammation	Chronic Active, Moderate
[Cyst TGLs = 1-8]			
[Inflammation TGLs = 1-8]			
* Prostate		Inflammation	Chronic, Mild
* Skin	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
[Hyperplasia TGLs = 3-65]			
* Spleen		Hematopoietic Cell Proliferation	Marked
	Lymph Follic	Hyperplasia	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Ulcer	Moderate
* Stomach, Glandular		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	151	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	676
		DOSE:	90 MG/KG	**DISP:**	Natural Death	**HISTO:**	112516

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Harderian Gland	* Heart	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Brain		Congestion	Mild
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLs = 2-22] [Hepatocellular Carcinoma TGLs = 1-21]			
* Preputial Gland		Inflammation	Chronic, Moderate
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Hyperplasia	Melanocyte, Moderate
	SOA	Inflammation	Chronic, Mild
	SOA	Ulcer	Minimal
Note: Slide #65 Lesions in epidermis were covered by a serocellular exudate.			
* Spleen		Necrosis	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	152	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112517

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
	Capsule	Hyperplasia	Minimal
		Hypertrophy	Focal, Moderate
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Hyperplasia	Lymphoid, Mild
		Infarct	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
	[Clear Cell Focus TGLs = 7-23, 9-24, 10-6]		
	[Eosinophilic Focus TGLs = 7-23]		
	[Hepatocellular Adenoma TGLs = 6-22]		
	[Hepatocellular Carcinoma TGLs = 5-21]		
	[Mixed Cell Focus TGLs = 8-6]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Minimal
	[Alveolar/Bronchiolar Adenoma TGLs = 4-2]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	152	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112517

ORGAN AND ACCOUNTABLE SITE STATUS

[Alveolar/Bronchiolar Carcinoma TGLs = 3-2]

* Preputial Gland		Inflammation	Chronic Active, Marked

Note: TGL 2-8 marked chronic inflammation (abscess).
[Inflammation TGLs = 2-8]

* Prostate	Epithelium	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Mild

[Hyperplasia TGLs = 1-65]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	153	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112518

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Minimal
* Bone Marrow		Infiltration Cellular	Histiocyte, Mild
* Epididymis		Inflammation	Chronic, Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Cyst	Marked
		Hepatocellular Adenoma	Multiple

Note: Hepatocellular Adenoma-small lesion on edge of median lobe Slide #6.
[Clear Cell Focus TGLs = 3-22]
[Cyst TGLs = 7-24]
[Hepatocellular Adenoma TGLs = 2-21, 4-23, 5-24, 6-6]

* Lung	Alveolar Epith	Hyperplasia	Moderate
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Mild
		Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Hyperplasia	Melanocyte, Minimal
	Epidermis	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal

[Hyperplasia TGLs = 8-65]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	153	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112518

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Hemangiosarcoma	
	Hematopoietic Cell Proliferation	Moderate
[Hemangiosarcoma TGLs = 1-25]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	154	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	645
		DOSE:	90 MG/KG	**DISP:**	Natural Death	**HISTO:**	112519

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum			

OBSERVATIONS

* Adrenal Medulla	Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLs = 4-10]		
* Bone	Histiocytic Sarcoma	Metastatic (Lung)
[Histiocytic Sarcoma TGLs = 16-29]		
* Kidney	Histiocytic Sarcoma	
	Hyperplasia	Lymphoid, Mild
Note: Histiocytic sarcoma-very small lesion in left kidney.		
* Liver	Hepatocholangiocarcinoma	
	Histiocytic Sarcoma	
	Necrosis	Focal, Mild
[Hepatocholangiocarcinoma TGLs = 5-22, 7-23]		
[Histiocytic Sarcoma TGLs = 7-23]		
* Lung	Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLs = 12-26, 13-2, 14-27, 15-28]		
Lymph Node Iliac	Hemorrhage	Marked
[Hemorrhage TGLs = 10-24]		
* Lymph Node, Mesenteric	Hemorrhage	Marked
[Hemorrhage TGLs = 8-6]		
* Mammary Gland	Infiltration Cellular	Marked
Note: TGL 18-65 Infiltration cellular (erythrocytes) "hemorrhage" not available diagnosis for mammary gland on TDMS.		
[Infiltration Cellular TGLs = 18-65]		
* Preputial Gland	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	154	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	645
		DOSE:	90 MG/KG	**DISP:**	Natural Death	**HISTO:**	112519

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Chronic Active, Mild
[Cyst TGLs = 1-8]			
[Inflammation TGLs = 1-8]			
* Prostate		Angiectasis	Mild
[Angiectasis TGLs = 9-7]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
Skeletal Muscle		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLs = 11-25]			
* Skin	Subcut Tiss	Hepatocellular Carcinoma	Metastatic (Lung)
		Histiocytic Sarcoma	
	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Minimal
[Hepatocellular Carcinoma TGLs = 17-65]			
[Histiocytic Sarcoma TGLs = 3-21]			
* Spleen		Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH - Lung Histiocytic Sarcoma
CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocholangiocarcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	155	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112520

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Testes	* Thyroid Gland	* Trachea

MISSING

* Thymus

INSUFFICIENT TISSUE

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
		Degeneration	Fatty, Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Mixed Cell Focus	
[Clear Cell Focus TGLs = 6-6]			
[Hepatocellular Adenoma TGLs = 5-25]			
[Hepatocellular Carcinoma TGLs = 3-23, 4-24]			
[Mixed Cell Focus TGLs = 6-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
[Hyperplasia TGLs = 7-2]			
[Hyperplasia TGLs = 7-2]			
[Infiltration Cellular TGLs = 7-2]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	155	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112520

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery		Hemorrhage	Mild
[Hemorrhage TGLs = 2-22]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Mild
* Skin	Pinna	Hemangioma	
	Subcut Tiss	Hemorrhage	Mild
	SOA	Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
[Hemangioma TGLs = 8-26]			
[Hemorrhage TGLs = 1-21]			
[Hyperplasia TGLs = 9-65]			
* Stomach, Glandular		Erosion	Minimal
		Metaplasia	Squamous, Minimal
* Urinary Bladder		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	156	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112521

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	Lymph Node	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Heart	Artery	Inflammation	Chronic, Mild
* Kidney	Renal Tubule	Carcinoma	
		Cyst	Mild
		Nephropathy	Mild
[Carcinoma TGLs = 3-21]			
Lymph Node			
Note: TGL 1 slide #8 corresponded to inguinal lymph node.			
* Lymph Node, Mesenteric		Atrophy	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	157	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
	Capsule	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Mild
		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
[Clear Cell Focus TGLs = 4-22, 6-6]			
[Hepatocellular Adenoma TGLs = 1-6, 3-21, 5-23]			
[Mixed Cell Focus TGLs = 2-6, 6-6]			
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
[Alveolar/Bronchiolar Adenoma TGLs = 7-24, 8-25]			
* Lymph Node, Mesenteric		Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thymus		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	158	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112523

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
	Capsule	Hyperplasia	Marked
* Epididymis		Spermatocele	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Carcinoma	
[Basophilic Focus TGLs = 2-6]			
[Clear Cell Focus TGLs = 2-6]			
[Hepatocellular Carcinoma TGLs = 3-21]			
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Moderate
Note: TGL 4-22 Additional lesions on slide # 2.			
[Alveolar/Bronchiolar Adenoma TGLs = 4-22]			
[Hyperplasia TGLs = 5-23]			
[Infiltration Cellular TGLs = 5-23]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
* Prostate		Cyst	Moderate
	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Skin	SOA	Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	158	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112523

ORGAN AND ACCOUNTABLE SITE STATUS

	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thymus		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	159	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	728
		DOSE:	90 MG/KG	**DISP:**	Natural Death	**HISTO:**	112524

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Stomach, Forestomach	* Testes	* Thymus
* Trachea			

AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Eye	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lymph Node, Mesenteric	* Pancreas	* Prostate
* Seminal Vesicle	* Spleen	* Stomach, Glandular	* Thyroid Gland
* Urinary Bladder			

INSUFFICIENT TISSUE

* Pituitary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Moderate
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	160	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112525

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
	Capsule	Adenoma	
* Adrenal Medulla		Hyperplasia	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 1-6]			
* Nose		Foreign Body	
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Inflammation	Chronic, Mild
[Hyperplasia TGLs = 2-65]			
* Stomach, Glandular		Cyst	Mild
* Thymus		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	161	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112526

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
	Capsule	Hyperplasia	Mild
* Gallbladder		Inflammation	Acute, Minimal
Note: Inflammation-intraductular granulocytic inflammation.			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
[Basophilic Focus TGLs = 2-21]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
		Hyperplasia	Plasma Cell, Marked
		Infiltration Cellular	Neutrophil, Mild
[Hyperplasia TGLs = 1-5]			
* Prostate	Epithelium	Hyperplasia	Minimal
		Polyarteritis	Mild
* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Cyst	Mild
		Inflammation	Acute, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	162	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112527

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Mild
[Hypertrophy TGLs = 7-6]			
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
		Infiltration Cellular	Histiocyte, Marked
Note: TGL 8-22 included intravascular tumor emboli.			
Note: TGL 8-22, 9-2 Many alveoli and airways contained pale basophilic granular material.			
[Alveolar/Bronchiolar Carcinoma TGLs = 9-2]			
[Infiltration Cellular TGLs = 8-22]			
Lymph Node	Inguinal	Hyperplasia	Mild
[Hyperplasia TGLs = 1-8]			
* Lymph Node, Mandibular		Atrophy	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 6-21]			
* Preputial Gland		Inflammation	Chronic Active, Marked
Note: TGL 2-8 Preputial gland lesion-abscess.			
[Inflammation TGLs = 2-8]			
* Skin	SOA	Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Minimal
[Hyperplasia TGLs = 11-65]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	162	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112527

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	163	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112528

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
		Hypertrophy	Focal, Marked
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Clear Cell Focus TGLs = 5-6]			
[Hepatocellular Adenoma TGLs = 2-6]			
[Hepatocellular Carcinoma TGLs = 3-22, 4-23]			
* Lymph Node, Mesenteric		Fibrosis	Marked
		Inflammation	Chronic, Marked
[Fibrosis TGLs = 1-21]			
[Inflammation TGLs = 1-21]			
* Prostate	Epithelium	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	164	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112529

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Brain		Hemorrhage	Minimal
* Eye	Cornea	Hyperplasia	Marked
		Inflammation	Chronic Active, Marked
Note: Corneal lesions included marked hyperkeratosis with a serocellular exudate and cocci bacteria.			
* Harderian Gland		Carcinoma	
[Carcinoma TGLs = 5-12]			
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLs = 3-6]			
[Hepatocellular Carcinoma TGLs = 1-6, 2-6, 4-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Cyst	Mild
	Epithelium	Hyperplasia	Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Fibrosis	Minimal
	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Hyperplasia	Melanocyte, Moderate
	SOA	Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	164	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112529

ORGAN AND ACCOUNTABLE SITE STATUS

	[Hyperplasia TGLs = 6-65]		
* Spleen	Lymph Follic	Atrophy	Minimal
* Thymus		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	165	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	630
		DOSE:	90 MG/KG	**DISP:**	Natural Death	**HISTO:**	112530

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Hemorrhage	Minimal
* Harderian Gland		Hyperplasia	Focal, Mild
* Islets, Pancreatic		Adenoma	
[Adenoma TGLs = 1-7]			
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Necrosis	Focal, Mild
[Hepatocellular Adenoma TGLs = 5-22]			
[Hepatocellular Carcinoma TGLs = 4-21, 3-6]			
* Lymph Node, Mesenteric		Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Skin	SOA	Hyperkeratosis	Minimal
		Hyperkeratosis	Minimal
	Epidermis	Hyperplasia	Minimal
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	165	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	630
		DOSE:	90 MG/KG	**DISP:**	Natural Death	**HISTO:**	112530

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	166	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Harderian Gland		Adenoma	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLs = 2-21]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Prostate	Epithelium	Hyperplasia	Minimal
		Polyarteritis	Mild
* Skin	SOA	Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Mild
		Inflammation	Chronic, Minimal
[Hyperplasia TGLs = 1-65]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Inflammation	Chronic, Mild
Note: Inflammation-perivascular			
* Stomach, Glandular		Inflammation	Chronic, Mild
Note: Inflammation-perivascular			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	167	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Gallbladder	* Thymus

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Intestine Small, Jejunum		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 2-21]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[Eosinophilic Focus TGLs = 4-6]			
[Hepatocellular Adenoma TGLs = 4-6]			
[Hepatocellular Carcinoma TGLs = 3-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mediastinal	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 5-23]			
* Lymph Node, Mesenteric		Infiltration Cellular	Neutrophil, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Seminal Vesicle		Infiltration Cellular	Moderate
Note: TGL 1-22 Infiltration of erythrocytes (hemorrhage not available on TDMS).			
[Infiltration Cellular TGLs = 1-22]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	167	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112532

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Moderate
	SOA	Inflammation	Chronic, Minimal
[Hyperplasia	TGLs = 6-65]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	168	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112533

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Hyperplasia Nephropathy	Lymphoid, Mild Moderate
* Liver		Clear Cell Focus Hepatocellular Adenoma Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLs = 1-6] [Hepatocellular Carcinoma TGLs = 2-21]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: Metastatic hepatocellular carcinoma-intravascular tumor emboli.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Skin	SOA SOA	Hyperplasia Inflammation	Melanocyte, Mild Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation	Moderate Chronic, Mild
[Hyperplasia TGLs = 4-22] [Inflammation TGLs = 4-22]			
* Stomach, Glandular		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	169	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112534

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
		Degeneration	Fatty, Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLs = 2-6]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Marked
* Nose		Inflammation	Chronic Active, Moderate
* Preputial Gland		Inflammation	Chronic Active, Marked
[Inflammation TGLs = 1-8]			
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
* Thyroid Gland	Follicular Cel	Adenoma	
Tooth			

Note: Tooth-marked chronic inflammation (abscess) and marked dental dysplasia (malformation).

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	170	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112535

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
	Capsule	Hyperplasia	Mild
* Harderian Gland		Inflammation	Chronic, Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLs = 1-21, 2-22]			
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	171	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	659
		DOSE:	90 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112536

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Gallbladder	* Lymph Node, Mesenteric	* Thymus

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Brain		Hemorrhage	Moderate
[Hemorrhage TGLs = 6-1]			
* Harderian Gland		Hyperplasia	Focal, Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Mild
		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Cyst	Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Necrosis	Focal, Marked

Note: Liver, cyst-slide #22
Note: Liver-The necrosis was a multifocal lesion observed on multiple sections.
[Hepatocellular Adenoma TGLs = 4-23]
[Hepatocellular Carcinoma TGLs = 3-22]
[Necrosis TGLs = 2-21]

* Lung	Alveolar Epith	Hyperplasia	Mild
* Nose		Inflammation	Suppurative, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperplasia	Melanocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	171	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	659
		DOSE:	90 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112536

ORGAN AND ACCOUNTABLE SITE STATUS

	SOA	Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLs = 1-6]		

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Brain Hemorrhage
- Liver Necrosis

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	172	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	723
		DOSE:	90 MG/KG	**DISP:**	Natural Death	**HISTO:**	112537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lymph Node, Mesenteric			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
		Hypertrophy	Focal, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	Mild
		Hemorrhage	Minimal
[Compression TGLs = 9-1]			
* Heart		Lymphoma Malignant	
Note: Neoplastic infiltrates (lymphoma, malignant) in epidcardial adipose tissue and on epicardial surface.			
* Liver		Hepatocellular Adenoma	
* Lung		Lymphoma Malignant	
Lymph Node	Mediastinal	Lymphoma Malignant	
	Inguinal	Lymphoma Malignant	
Note: Slide #2 Lymph node, bronchial-lymphoma, malignant			
[Lymphoma Malignant TGLs = 6-21]			
[Lymphoma Malignant TGLs = 1-8]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLs = 8-1]			
* Seminal Vesicle		Lymphoma Malignant	
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Hyperplasia	Melanocyte, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	172	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	723
		DOSE:	90 MG/KG	**DISP:**	Natural Death	**HISTO:**	112537

ORGAN AND ACCOUNTABLE SITE STATUS

	SOA	Inflammation	Chronic, Mild
Note: Slide #65 SOA Lesions included serocellular exudate.			
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 4-6]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLs = 3-7]			
* Thymus		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 5-21]			

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant
CONTRIBUTORY CAUSE OF DEATH - Brain Compression
- Pituitary Gland Pars Distalis Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	173	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hypertrophy	Focal, Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
		Thrombosis	Minimal
[Clear Cell Focus TGLs = 2-22]			
[Hepatocellular Adenoma TGLs = 1-21]			
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate	Epithelium	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Hyperplasia	Melanocyte, Mild
	SOA	Inflammation	Chronic, Mild
[Hyperplasia TGLs = 4-65]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	174	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112539

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Brain		Hyperplasia	Lymphoid, Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLs = 5-21]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
		Infiltration Cellular	Histiocyte, Minimal
[Hepatocellular Carcinoma TGLs = 7-2]			
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLs = 2-8]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 6-5]			
* Preputial Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLs = 1-8]			
* Skin	SOA	Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLs = 4-6]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Ulcer	Mild
[Hyperplasia TGLs = 8-22]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	174	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112539

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLs = 8-22]

* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	175	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112540

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Harderian Gland		Inflammation	Chronic, Mild
		Metaplasia	Osseous, Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLs = 1-21]			
[Hepatocellular Carcinoma TGLs = 2-22]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	176	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112541

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Eye	Cornea	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Harderian Gland		Adenoma	
[Adenoma TGLs = 7-12]			
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLs = 4-21]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Marked
		Hyperplasia	Lymphoid, Marked
[Hyperplasia TGLs = 1-8]			
* Mammary Gl			
Note: TGL 2 slide #8 corresponded to inguinal lymph node located in subcutaneous adipose tissue.			
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Hyperplasia	Melanocyte, Mild
	SOA	Inflammation	Chronic, Mild
Note: Slide # 65 SOA Lesions included a serocellular exudate.			
[Hyperplasia TGLs = 6-65]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLs = 3-6]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	177	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112542

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Gallbladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Kidney	Renal Tubule	Adenoma	
		Hyperplasia	Lymphoid, Mild
		Nephropathy	Marked
[Nephropathy TGLs = 2-5]			
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLs = 3-21]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
		Infiltration Cellular	Histiocyte, Minimal
[Alveolar/Bronchiolar Adenoma TGLs = 6-2]			
[Hepatocellular Carcinoma TGLs = 4-22, 5-23]			
* Lymph Node, Mandibular		Hematopoietic Cell Proliferation	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Skin	SOA	Hyperplasia	Melanocyte, Moderate
	SOA	Inflammation	Chronic, Mild
Note: Slide # 65 SOA Lesions included a serocellular exudate.			
[Hyperplasia TGLs = 1-65]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Testes	Germinal Epith	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	178	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112543

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Epididymis		Inflammation	Chronic, Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatoblastoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatoblastoma TGLs = 4-22, 5-23]			
[Hepatocellular Carcinoma TGLs = 6-24, 7-25]			
* Lung		Hepatoblastoma	Metastatic (Liver)
Note: Metastatic hepatoblastoma (intravascular tumor emboli).			
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin	SOA	Hyperplasia	Melanocyte, Minimal
Note: No correlating lesion for TGL 2.			
[Hyperplasia TGLs = 1-65]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLs = 3-6]			
* Stomach, Glandular		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	179	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	590
		DOSE:	90 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112544

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
	Capsule	Hyperplasia	Minimal
* Kidney	Capsule	Fibrosis	Mild
		Hepatocellular Carcinoma	Metastatic (Liver)
		Nephropathy	Moderate
	Capsule	Pigmentation	Mild
Note: Metastatic hepatocelluar carcinomas were also observed on slide # 5			
[Hepatocellular Carcinoma TGLs = 2-21]			
* Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLs = 4-23, 5-24, 6-25, 7-26, 8-27, 9-24, 9-25]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Minimal
Note: Metastatic hepatocellular carcinomas (intravascular tumor emboli) were observed on slides # 2 and 28.			
[Hyperplasia TGLs = 11-28]			
* Lymph Node, Mesenteric		Hepatocellular Carcinoma	Metastatic (Liver)
Note: TGL 3-22 Normal architecture of lymph node was effaced by metastatic neoplasm.			
[Hepatocellular Carcinoma TGLs = 3-22]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperplasia	Melanocyte, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Mild
[Hyperplasia TGLs = 12-29]			
[Inflammation TGLs = 12-29]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	179	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	590
		DOSE:	90 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112544

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	180	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112545

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Gallbladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Eye		Atrophy	Marked
[Atrophy TGLs = 5-22]			
* Harderian Gland		Adenoma	
[Adenoma TGLs = 6-12]			
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLs = 3-21, 8-23]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: Metastatic hepatocellular carcinoma (intravascular tumbor emboli).			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
		Hyperplasia	Plasma Cell, Marked
[Hyperplasia TGLs = 4-5]			
* Preputial Gland		Cyst	Mild
		Inflammation	Chronic, Moderate
[Cyst TGLs = 2-8]			
[Inflammation TGLs = 2-8]			
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	180	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112545

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 7-65 was a duplicate of TGL 1-65.
Note: TGL 1-65 and 7-65 Same lesion reported on IANR twice.
[Hyperplasia TGLs = 1-65, 7-65]

* Spleen	Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach	Cyst	Mild

Note: Small cyst on serosal surface was filled with keratin.

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	181	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112546

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
		Hypertrophy	Focal, Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Mild
		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLs = 2-22, 3-6]			
* Lymph Node, Mesenteric		Hemorrhage	Moderate
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1-21]			
* Prostate	Epithelium	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Moderate
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Mild
[Hyperplasia TGLs = 4-65]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	182	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112547

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Heart			
Note: Focal epicardial fiberous fronds (minimum)			
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLs = 4-23]			
[Hepatocellular Carcinoma TGLs = 2-21, 3-22, 5-24]			
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
		Hepatocellular Carcinoma	Metastatic (Liver)
Note: Metastatic hepatocellular carcinoma (intracellular tumor emboli).			
[Alveolar/Bronchiolar Adenoma TGLs = 6-25]			
* Lymph Node, Mesenteric		Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Moderate
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Seminal Vesicle	Epithelium	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Hyperplasia	Melanocyte, Mild
	SOA	Inflammation	Chronic, Mild
Note: Slide #65 SOA Lesion included serocellular exudate.			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	183	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112548

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Brain		Hemorrhage	Minimal
* Epididymis		Angiectasis	Mild
[Angiectasis TGLs = 3-7]			
* Kidney	Pelvis	Dilatation	Mild
		Nephropathy	Minimal
[Dilatation TGLs = 4-5]			
* Liver		Eosinophilic Focus	
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
		Infiltration Cellular	Histiocyte, Marked
Note: Histiocytes contained intracytoplasmic eosinophilic crystals.			
[Alveolar/Bronchiolar Carcinoma TGLs = 5-2]			
* Nose		Foreign Body	
		Inflammation	Suppurative, Minimal
* Skin	SOA	Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Moderate
	SOA	Inflammation	Chronic, Mild
[Hyperplasia TGLs = 7-65]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes		Angiectasis	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	184	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112549

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
		Hypertrophy	Focal, Minimal
* Eye	Cornea	Hyperplasia	Moderate
		Inflammation	Chronic, Marked
	Cornea	Necrosis	Moderate
Note: Eye, cornea, necrosis (ulceration).			
* Harderian Gland		Adenoma	
[Adenoma TGLs = 4-12]			
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Cyst	Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLs = 2-21, 3-22]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
* Skin	SOA, Subcut Tiss	Hemorrhage	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	185	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	673
		DOSE:	90 MG/KG	**DISP:**	Natural Death	**HISTO:**	112550

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Rectum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone Marrow		Thrombosis	Moderate
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Necrosis	Focal, Mild
[Clear Cell Focus TGLs = 4-23]			
[Hepatocellular Adenoma TGLs = 1-6, 2-21, 3-22]			
[Hepatocellular Carcinoma TGLs = 5-24]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Moderate
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	186	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112551

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Int Sm Jejunum			
Note: TGL 2 slide #3 Lymphoid tissue present in the tunica submucosa appeared to be within normal limits.			
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Metaplasia	Osseous, Mild
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
Note: There was an additional small lesion (hepatocellular carcinoma) on slide # 24.			
[Clear Cell Focus TGLs = 7-6]			
[Eosinophilic Focus TGLs = 7-6]			
[Hepatocellular Adenoma TGLs = 3-21, 6-24]			
[Hepatocellular Carcinoma TGLs = 4-22, 5-23]			
* Lung	Alveolar Epith	Hyperplasia	Marked
[Hyperplasia TGLs = 8-25]			
* Preputial Gland		Cyst	Mild
		Inflammation	Chronic, Mild
[Cyst TGLs = 1-8]			
* Prostate	Epithelium	Hyperplasia	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Moderate
	Epidermis, SOA	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	186	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	731
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112551

ORGAN AND ACCOUNTABLE SITE STATUS

	SOA	Hyperplasia	Melanocyte, Moderate
	SOA	Inflammation	Chronic, Moderate
[Hyperplasia	TGLs = 9-65]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	187	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112552

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
	Capsule	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLs = 1-6, 2-21]			
[Hepatocellular Carcinoma TGLs = 3-22, 4-23]			
* Prostate	Epithelium	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Inflammation	Chronic, Mild
	SOA	Ulcer	Minimal
[Hyperplasia TGLs = 6-65]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	188	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112553

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
	Capsule	Hyperplasia	Mild
* Harderian Gland		Adenoma	
[Adenoma TGLs = 9-12]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	
		Mixed Cell Focus	
[Basophilic Focus TGLs = 5-6]			
[Clear Cell Focus TGLs = 5-6]			
[Hepatocellular Adenoma TGLs = 4-23, 2-21]			
[Mixed Cell Focus TGLs = 3-22]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Moderate
Note: Histiocytes contained eosinophilic intracytoplasmic crystals.			
[Alveolar/Bronchiolar Carcinoma TGLs = 6-2]			
* Prostate	Epithelium	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Mild
		Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Moderate
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	188	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112553

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Chronic, Minimal
	SOA	Ulcer	Mild
Note: Slide #65 SOA Lesions included a serocellular exudate.			
[Hyperplasia TGLs = 8-65]			
* Thyroid Gland	Follicle	Degeneration	Focal, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	189	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	720
		DOSE:	90 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112554

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Gallbladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Epididymis		Inflammation	Chronic, Mild
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	
		Necrosis	Focal, Marked
[Hepatocellular Carcinoma TGLs = 4-21]			
[Necrosis TGLs = 5-6]			
* Lymph Node, Mesenteric		Atrophy	Minimal
* Preputial Gland		Cyst	Mild
		Inflammation	Chronic, Mild
[Cyst TGLs = 1-8]			
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Moderate
	SOA	Hyperplasia	Melanocyte, Moderate
	SOA	Inflammation	Chronic, Moderate
Note: Slide #65 SOA Lesions included serocellular exudate.			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLs = 3-6]			
* Stomach, Glandular		Hemorrhage	Minimal
[Hemorrhage TGLs = 6-4]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	189	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	720
		DOSE:	90 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112554

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Liver	Hepatocellular Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Liver	Necrosis

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	190	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	719
		DOSE:	90 MG/KG	**DISP:**	Natural Death	**HISTO:**	112555

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Heart	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Testes	* Thyroid Gland	* Trachea	

MISSING

* Thymus

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lymph Node, Mesenteric	* Stomach, Glandular	* Urinary Bladder

OBSERVATIONS

* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
		Infiltration Cellular	Histiocyte, Moderate
Note: Histiocytes contained eosinophilic intracytoplasmic crystals.			
[Alveolar/Bronchiolar Carcinoma TGLs = 3-2]			
* Nose		Foreign Body	
		Inflammation	Chronic, Minimal
* Preputial Gland		Cyst	Mild
		Inflammation	Chronic, Mild
[Cyst TGLs = 1-8]			
* Skin	SOA	Hyperkeratosis	Minimal
		Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Hyperplasia	Melanocyte, Moderate
	SOA	Inflammation	Chronic, Minimal
[Hyperplasia TGLs = 5-65]			
* Spleen	Lymph Follic	Atrophy	Mild

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	191	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	718
		DOSE:	90 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112556

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
[Adenoma TGLs = 4-10]			
* Brain		Infiltration Cellular	Histiocyte, Focal, Mild
* Harderian Gland		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Mild
		Mineralization	Minimal
* Intestine Small, Duodenum		Hemorrhage	Mild
Note: Duodenal hemorrhage within the lamina propria and duodenal lumen filled with erythrocytes.			
[Hemorrhage TGLs = 9-4]			
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
	Renal Tubule	Dilatation	Focal, Mild
	Renal Tubule	Necrosis	Minimal
		Nephropathy	Minimal
[Accumulation, Hyaline Droplet TGLs = 5-5]			
[Dilatation TGLs = 5-5]			
[Necrosis TGLs = 5-5]			
* Liver		Hepatocellular Carcinoma	
		Necrosis	Focal, Marked
[Hepatocellular Carcinoma TGLs = 6-21]			
[Necrosis TGLs = 7-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	191	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	718
		DOSE:	90 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112556

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Metastatic hepatocellular carcinoma-intravascular tumor emboli.
[Alveolar/Bronchiolar Adenoma TGLs = 8-2]

* Lymph Node, Mesenteric		Atrophy	Mild
Mesentery			

Note: Mesenteric adipose tissue (slide #7) mild mesothelial cell hyperplasia.

* Prostate		Inflammation	Chronic, Mild
* Seminal Vesicle		Fibrosis	Mild
		Infiltration Cellular	Moderate
		Inflammation	Chronic, Minimal

Note: TGL 2-7 Infiltration of erythrocytes (hemorrhage not available on TDMS).
[Fibrosis TGLs = 2-7]
[Infiltration Cellular TGLs = 2-7]
[Inflammation TGLs = 2-7]

* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked

[Hematopoietic Cell Proliferation TGLs = 3-6]

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Liver Necrosis

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	192	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112557

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Prostate

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Moderate
* Islets, Pancreatic		Adenoma	
* Kidney		Cyst	Mild
		Metaplasia	Osseous, Moderate
		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
* Lung	Alveolar Epith	Hyperplasia	Marked
[Hyperplasia TGLs = 2-2]			
Mesentery	Artery	Hyperplasia	Moderate
		Inflammation	Chronic, Moderate
[Inflammation TGLs = 1-21]			
* Preputial Gland		Inflammation	Chronic, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Hyperplasia	Melanocyte, Mild
	SOA	Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	193	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112558

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Marked
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Clear Cell Focus TGLs = 1-6]			
[Hepatocellular Adenoma TGLs = 2-21, 3-22]			
[Hepatocellular Carcinoma TGLs = 4-23]			
* Lymph Node, Mesenteric		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Hyperplasia	Melanocyte, Mild
	SOA	Inflammation	Chronic, Mild
[Hyperplasia TGLs = 5-65]			
* Stomach, Glandular		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	194	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112559

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
		Hyperplasia	Plasma Cell, Marked
* Preputial Gland		Inflammation	Chronic, Marked
[Inflammation TGLs = 1-8]			
* Prostate	Epithelium	Hyperplasia	Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Hyperplasia	Melanocyte, Mild
		Inflammation	Chronic, Minimal
	SOA	Inflammation	Chronic, Minimal
[Hyperplasia TGLs = 2-65]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	195	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112560

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Cyst	Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLs = 1-6]			
* Prostate	Epithelium	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Mild
		Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Moderate
	Epidermis, SOA	Hyperplasia	Mild
	Epidermis	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Mild
		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	196	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112561

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
	Capsule	Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Eye	Cornea	Hyperplasia	Marked
		Inflammation	Chronic Active, Moderate
* Harderian Gland		Carcinoma	
[Carcinoma TGLs = 5-12]			
* Kidney		Hyperplasia	Lymphoid, Mild
		Infarct	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLs = 2-21, 3-22, 4-23]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Marked
* Lymph Node, Mesenteric		Atrophy	Marked
* Nose		Inflammation	Chronic Active, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Hyperplasia	Melanocyte, Moderate
		Inflammation	Chronic, Minimal
	SOA	Inflammation	Chronic, Mild
	SOA	Ulcer	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	196	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112561

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 1-65]

* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	197	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112562

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
		Hypertrophy	Focal, Mild
* Intestine Large, Colon		Lymphoma Malignant	
* Intestine Small, Ileum		Inflammation	Chronic, Moderate
* Intestine Small, Jejunum		Inflammation	Chronic, Marked
Note: TGL 7-23 included numerous granulocytes with lesser numbers of multinucleated giant cells and lymphocytes.			
[Inflammation TGLs = 7-3]			
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 1-21, 2-22, 3-23, 4-6, 5-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
		Hyperplasia	Histiocytic, Marked
		Hyperplasia	Plasma Cell, Marked
		Infiltration Cellular	Neutrophil, Moderate
Mesentery		Fibrosis	Mild
	Fat	Necrosis	Mild
[Fibrosis TGLs = 6-24]			
[Necrosis TGLs = 6-24]			
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Moderate
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	197	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112562

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 8-65]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	198	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	521
		DOSE:	90 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112563

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Histiocytic Sarcoma	
	Capsule	Hyperplasia	Mild
* Eye		Fibrosis	Moderate
		Histiocytic Sarcoma	
		Inflammation	Chronic Active, Moderate

Note: Histiocytic sarcoma was infiltrating optic nerve and sclera.
[Fibrosis TGLs = 8-44]
[Histiocytic Sarcoma TGLs = 8-44]
[Inflammation TGLs = 8-44]

* Harderian Gland	Histiocytic Sarcoma	

[Histiocytic Sarcoma TGLs = 7-12]

* Islets, Pancreatic	Hyperplasia	Mild
* Kidney	Nephropathy	Mild
* Liver	Hepatocellular Adenoma	
	Histiocytic Sarcoma	

Note: TGL 2-22 was also observed on slide # 6.
[Hepatocellular Adenoma TGLs = 1-21]
[Histiocytic Sarcoma TGLs = 2-22]

* Lung	Histiocytic Sarcoma	
* Lymph Node, Mandibular	Histiocytic Sarcoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	198	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	521
		DOSE:	90 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112563

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Histiocytic Sarcoma	
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Prostate		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH - Harderian Gland Histiocytic Sarcoma
CONTRIBUTORY CAUSE OF DEATH - Nose Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	199	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	730
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112564

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
	Capsule	Hyperplasia	Mild
* Kidney		Cyst	Mild
		Nephropathy	Minimal
[Cyst TGLs = 5-24]			
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLs = 1-21]			
[Hepatocellular Carcinoma TGLs = 2-22, 3-23]			
* Prostate	Epithelium	Hyperplasia	Mild
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Hyperplasia	Melanocyte, Moderate
	SOA	Inflammation	Chronic, Mild
	SOA	Ulcer	Mild
[Hyperplasia TGLs = 4-65]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	200	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112565

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Spleen
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
* Kidney		Cyst	Mild
		Nephropathy	Minimal
[Cyst TGLs = 2-24]			
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[Clear Cell Focus TGLs = 5-22]			
[Eosinophilic Focus TGLs = 7-6]			
[Hepatocellular Adenoma TGLs = 3-6]			
[Hepatocellular Carcinoma TGLs = 6-23]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLs = 1-21]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Hyperplasia	Melanocyte, Mild
	SOA	Inflammation	Chronic, Mild
Note: Slide #65 SOA Lesions included a serocellular exudate.			
[Hyperkeratosis TGLs = 9-65]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	200	**TMT:**	7	**SEX:**	Male	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112565

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 9-65]
[Hyperplasia TGLs = 8-65]
[Inflammation TGLs = 9-65]

* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Stomach, Glandular		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	201	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112566

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
	Capsule	Hyperplasia	Mild
* Kidney		Lymphoma Malignant	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
[Basophilic Focus TGLs = 5-22]			
[Hepatocellular Adenoma TGLs = 3-6, 4-21]			
* Lung		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 2-6]			
* Thymus		Lymphoma Malignant	
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	202	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112567

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Intestine Small, Jejunum		Hemangiosarcoma	
[Hemangiosarcoma TGLs = 10-27]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLs = 7-25, 8-26, 9-6, 11-28, 12-29, 13-30]			
[Hepatocellular Carcinoma TGLs = 5-23, 6-24]			
* Lymph Node, Mandibular		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 3-22]			
* Skin	Subcut Tiss	Hemangiosarcoma	
	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
Note: Slide # 65 SOA Lesions included a serocellular exudate.			
[Hemangiosarcoma TGLs = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLs = 4-6]			
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	203	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112568

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Harderian Gland		Inflammation	Chronic, Mild
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
Note: TGL 2-21 Additional hepatocellular adenoma observed on slide # 6.			
[Hepatocellular Adenoma TGLs = 2-21]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Marked
Vagina		Liposarcoma	
[Liposarcoma TGLs = 1-22]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	204	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	719
		DOSE:	0 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112569

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Degeneration	Fatty, Marked
	Capsule	Hyperplasia	Mild
* Brain	Meninges	Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
[Eosinophilic Focus TGLs = 7-24]			
[Hepatocellular Adenoma TGLs = 5-22]			
Lymph Node	Renal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLs = 4-21]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Ovary		Cyst	Mild
[Cyst TGLs = 6-7]			
Peripheral Nerve		Degeneration	Mild
		Inflammation	Chronic, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
Skeletal Muscle		Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	204	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	719
		DOSE:	0 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112569

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Hyperkeratosis	Mild
	Epidermis	Hyperplasia	Moderate
		Hyperplasia	Melanocyte, Moderate
		Inflammation	Chronic Active, Moderate
		Ulcer	Moderate

Note: TGL 1-23 (Inguinal skin) Lesion included a serocellular exudate, cocci bacteria and plant material.
[Hyperkeratosis TGLs = 1-23]
[Hyperplasia TGLs = 1-23]
[Hyperplasia TGLs = 1-23]
[Inflammation TGLs = 1-23]
[Ulcer TGLs = 1-23]

Spinal Cord
Note: Spinal cord was normal. There was mild hemorrhage in the connective tissue surrounding the vertebral column.

* Spleen	Lymph Follic	Hyperplasia	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Moderate

[Hyperplasia TGLs = 2-7]

PRIMARY CAUSE OF DEATH - Peripheral Nerve Degeneration
CONTRIBUTORY CAUSE OF DEATH - Skin Ulcer

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	205	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112570

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Marked
	Capsule	Hyperplasia	Mild
* Bone	Cranium	Fibrosis	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
* Liver		Eosinophilic Focus	
		Hemorrhage	Mild
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic, Moderate

Note: TGL 6-22 Additional hepatocellular adenomas on slide # 22 and slide # 6.
[Eosinophilic Focus TGLs = 5-21]
[Hepatocellular Adenoma TGLs = 6-22]

* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Ovary		Cyst	Mild
		Hemorrhage	Mild

[Cyst TGLs = 1-7]
[Hemorrhage TGLs = 2-7]

* Pituitary Gland	Pars Distalis	Adenoma	

[Adenoma TGLs = 9-1]

* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild
* Uterus		Hyperplasia	Cystic, Marked
		Polyp Stromal	

[Hyperplasia TGLs = 3-7, 8-7]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	205	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112570

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLs = 4-7]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	206	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112571

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Harderian Gland		Adenoma	
[Adenoma TGLs = 4-12]			
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
		Necrosis	Focal, Mild
[Hepatocellular Adenoma TGLs = 2-21, 3-6]			
[Mixed Cell Focus TGLs = 6-22]			
[Necrosis TGLs = 7-23]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
		Hyperplasia	Plasma Cell, Mild
		Infiltration Cellular	Neutrophil, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 5-1]			
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Minimal
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	207	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	285
		DOSE:	0 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112572

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Ovary	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Brain		Hemorrhage	Minimal
* Lymph Node, Mesenteric		Atrophy	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperplasia	Melanocyte, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Minimal

* Uterus
Note: TGL 1 slide #7 No corresponding lesion, physiologic change in a mouse of this age.

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	208	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112573

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Lymphoma Malignant	
		Nephropathy	Minimal
[Lymphoma Malignant TGLs = 9-5]			
* Liver		Clear Cell Focus	
		Fatty Change	Moderate
		Lymphoma Malignant	
Note: Fatty change-This lesion resembled the vacuolated cell focus in PATHOLOGY OF THE MOUSE pg 142, 144. Cache River Press 1999.			
[Lymphoma Malignant TGLs = 5-22, 6-6, 7-6]			
Lymph Node		Ectasia	Mild
		Hemorrhage	Moderate
	Renal	Lymphoma Malignant	
[Ectasia TGLs = 4-23]			
[Hemorrhage TGLs = 4-23]			
[Lymphoma Malignant TGLs = 3-21]			
* Ovary		Hemorrhage	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
* Skin	SOA	Hyperkeratosis	Mild
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 2-6]			
* Thymus		Hemorrhage	Mild
		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 8-3]			
* Thyroid Gland	Follicle	Degeneration	Focal, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	208	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112573

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 1-7]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	209	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	649
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112574

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Thymus	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Stomach, Glandular	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Bone Marrow		Hemangiosarcoma	
* Liver		Angiectasis	Moderate
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	
		Necrosis	Focal, Mild
Note: Liver, necrosis-slide #26, #30.			
[Angiectasis TGLs = 10-26]			
[Hepatocellular Adenoma TGLs = 21-30]			
* Lung		Hemangiosarcoma	
		Hemorrhage	Moderate
		Infiltration Cellular	Histiocyte, Mild
		Thrombosis	Mild
[Hemangiosarcoma TGLs = 12-2, 13-2, 14-2, 15-2, 16-2, 20-2]			
[Hemorrhage TGLs = 11-2]			
* Lymph Node, Mesenteric		Atrophy	Mild
Mesentery	Fat	Necrosis	Mild
Note: TGL 3-21 Lesion included minimal hemorrhage.			
[Necrosis TGLs = 3-21]			
* Ovary		Hemorrhage	Moderate
Pleura		Hemangiosarcoma	Metastatic (Lung)
[Hemangiosarcoma TGLs = 9-25]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	209	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	649
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112574

ORGAN AND ACCOUNTABLE SITE STATUS

Skeletal Muscle		Hemangiosarcoma	
Note: TGL 19-29 Lesion included mild hemorrhage			
[Hemangiosarcoma TGLs = 17-27, 18-28, 19-29]			
* Skin		Edema	Mild
		Hemorrhage	Moderate
[Edema TGLs = 1-8]			
[Hemorrhage TGLs = 1-8]			
* Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Marked
[Hemangiosarcoma TGLs = 4-22, 5-23]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
Tissue NOS		Hemangiosarcoma	
[Hemangiosarcoma TGLs = 8-24]			
* Uterus		Hyperplasia	Cystic, Marked
Note: TGL 7-7 more severe than TGL 6-7.			
[Hyperplasia TGLs = 6-7, 7-7]			

PRIMARY CAUSE OF DEATH - Tissue NOS Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM: 210	**TMT:** 2	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 0 MG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 112575

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Skin	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Heart		Lymphoma Malignant	
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma Lymphoma Malignant	Multiple
[Hepatocellular Adenoma TGLs = 3-6, 4-21] [Hepatocellular Carcinoma TGLs = 5-22]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLs = 8-26]			
Lymph Node		Ectasia Lymphoma Malignant	Moderate
[Ectasia TGLs = 9-25] [Lymphoma Malignant TGLs = 9-25]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Ovary		Hemorrhage	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 2-6]			
* Stomach, Forestomach		Lymphoma Malignant	
* Stomach, Glandular		Lymphoma Malignant	
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Uterus		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	210	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112575

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 1-7]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	211	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112576

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea		

INSUFFICIENT TISSUE

* Bone

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Brain		Hyperplasia	Lymphoid, Minimal
* Harderian Gland		Adenoma	
* Kidney		Infiltration Cellular	Lipocyte, Mild
		Lymphoma Malignant	
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLs = 4-23, 7-25]			
[Hepatocellular Carcinoma TGLs = 3-22, 5-24]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 6-1]			
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 2-6]			
* Thyroid Gland	Follicle	Degeneration	Focal, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	211	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112576

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder	Hyperplasia	Lymphoid, Mild
* Uterus	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	212	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112577

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Thymus
* Trachea			

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma Lymphoma Malignant	Multiple
[Eosinophilic Focus TGLs = 10-27] [Hepatocellular Adenoma TGLs = 3-21, 8-26] [Hepatocellular Carcinoma TGLs = 6-24] [Lymphoma Malignant TGLs = 4-22, 5-23, 7-25, 10-27]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Ovary		Cystadenoma	
[Cystadenoma TGLs = 1-7]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 2-6]			
* Stomach, Glandular		Cyst	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Urinary Bladder		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	212	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112577

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 9-7]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	213	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112578

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Cranium	Fibrosis	Mild
* Kidney		Metaplasia	Osseous, Mild
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Lymphoma Malignant	
[Hepatocellular Adenoma TGLs = 8-23]			
[Hepatocellular Carcinoma TGLs = 7-22]			
[Lymphoma Malignant TGLs = 6-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
Lymph Node	Iliac	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 9-24]			
Mesentery	Fat	Necrosis	Mild
Note: Mesentery-serosal surface of urinary bladder-lymphoma, malignant slide # 8			
[Necrosis TGLs = 1-21]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLs = 10-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 5-6]			
* Stomach, Glandular		Cyst	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	213	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112578

ORGAN AND ACCOUNTABLE SITE STATUS

Lymphoma Malignant

[Hyperplasia TGLs = 2-7]
[Lymphoma Malignant TGLs = 4-25]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	214	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112579

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Kidney		Hyperplasia	Lymphoid, Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
Note: Hepatocellular adenoma-additional lesion on slide # 6.			
[Hepatocellular Adenoma TGLs = 1-21, 2-22, 3-23]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Marked
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 4-24]			
* Ovary		Angiectasis	Mild
	Interstit Cell	Hyperplasia	Moderate
[Angiectasis TGLs = 5-7]			
[Hyperplasia TGLs = 5-7]			
* Salivary Glands		Mineralization	Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Marked
Note: TGL 6-7 and REPLACEAND7-7 Cystic hyperplasia was more severe in the left uterine horn than the right uterine horn.			
[Hyperplasia TGLs = 6-7, 7-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	215	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	698
		DOSE:	0 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112580

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

Blood Vessel			
Note: Slides # 3 and 12 , Aorta (thoracic) marked mineralization			
* Kidney	Pelvis	Dilatation	Moderate
		Nephropathy	Mild
[Dilatation TGLs = 5-5]			
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLs = 10-25, 11-26, 12-27]			
[Hepatocellular Carcinoma TGLs = 8-23, 9-24]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
[Hepatocellular Carcinoma TGLs = 13-28,14-29, 15-2, 16-2, 17-2, 18-30, 19-30, 20-2]			
Lymph Node	Iliac	Hepatocellular Carcinoma	Metastatic (Liver)
[Hepatocellular Carcinoma TGLs = 7-22]			
* Lymph Node, Mesenteric		Atrophy	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1-21]			
* Skin	SOA	Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLs = 4-6]			
* Stomach, Forestomach		Erosion	Minimal
	Epithelium	Hyperplasia	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hemangiosarcoma	
		Hyperplasia	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	215	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	698
		DOSE:	0 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112580

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemangiosarcoma TGLs = 3-7]
[Hyperplasia TGLs = 2-7]

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	216	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	608
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112581

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Heart
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Stomach, Glandular	* Thyroid Gland		

INSUFFICIENT TISSUE

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
	Capsule	Hyperplasia	Moderate
* Kidney		Lymphoma Malignant	
* Liver		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 6-6, 7-6]		
Lymph Node	Iliac	Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 8-21]		
[Lymphoma Malignant	TGLs = 4-7]		
[Lymphoma Malignant	TGLs = 9-3]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 3-6]		
* Thymus		Lymphoma Malignant	
* Uterus		Hyperplasia	Cystic, Marked
Note: TGL 2-7 more severe than TGL 1-7.			
[Hyperplasia	TGLs = 1-7, 2-7]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	216	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	608
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112581

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	217	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112582

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Mild
* Harderian Gland		Inflammation	Chronic, Mild
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: Hepatocellular adenoma-additional lesion observed on slide # 6.			
[Hepatocellular Adenoma TGLs = 3-21, 5-23, 6-24, 7-25]			
[Hepatocellular Carcinoma TGLs = 4-22]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Ovary		Cyst	Mild
[Cyst TGLs = 1-7]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin		Hyperkeratosis	Moderate
* Spleen	Lymph Follic	Hyperplasia	Moderate
* Thymus		Hemorrhage	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	218	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112583

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Glandular	* Thymus
* Trachea			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Hyperplasia	Lymphoid, Moderate
* Liver		Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLs = 7-23]			
[Hepatocellular Carcinoma TGLs = 6-22]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: Metastatic hepatocellular carcinoma-intravascular tumor emboli.			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 3-21]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Minimal
[Hematopoietic Cell Proliferation TGLs = 4-6]			
[Hyperplasia TGLs = 4-6]			
* Stomach, Forestomach		Erosion	Minimal
	Epithelium	Hyperplasia	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Urinary Bladder		Hyperplasia	Lymphoid, Moderate
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 5-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	219	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112584

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Mild
* Harderian Gland		Inflammation	Chronic, Mild
* Kidney		Cyst	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
* Lymph Node, Mandibular		Atrophy	Moderate
* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 2-1]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin		Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild
* Stomach, Glandular		Cyst	Mild
* Uterus		Carcinoma	
		Hyperplasia	Cystic, Marked

Note: Uterus-The carcinoma was a unilateral lesion, the cystic hyperplasia was a bilateral lesion.
[Carcinoma TGLs = 1-7]
[Hyperplasia TGLs = 1-7]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	220	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112585

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
	Capsule	Hyperplasia	Mild
* Harderian Gland		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Eosinophilic Focus TGLs = 4-22, 5-23, 8-6]			
[Hepatocellular Adenoma TGLs = 3-6, 6-24, 7-25]			
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Minimal
		Pigmentation	Mild
* Stomach, Glandular		Cyst	Mild
Tissue NOS		Sarcoma	
[Sarcoma TGLs = 1-21]			
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	221	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112586

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: Hepatocellular adenoma-additional lesion on slide # 6-1			
[Hepatocellular Adenoma TGLs = 5-22, 6-23, 7-24]			
[Hepatocellular Carcinoma TGLs = 4-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery		Fibrosis	Mild
	Fat	Necrosis	Mild
[Fibrosis TGLs = 3-21, 8-25]			
[Necrosis TGLs = 3-21, 8-25]			
* Ovary		Cyst	Mild
[Cyst TGLs = 2-7]			
* Pituitary Gland	Pars Intermed	Cyst	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Minimal
		Pigmentation	Minimal
* Thymus		Cyst	Mild
		Hemorrhage	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	221	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112586

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Follicle	Degeneration	Focal, Mild
	Follicular Cel	Hyperplasia	Focal, Minimal
* Urinary Bladder		Hyperplasia	Lymphoid, Mild
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	222	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112587

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
Note: Hepatocellular adenoma-additional lesion on slide # 6.			
[Hepatocellular Adenoma TGLs = 4-21, 5-22]			
* Lung		Mineralization	Minimal
Lymph Node	Iliac	Ectasia	Mild
	Iliac	Hemorrhage	Mild
[Ectasia TGLs = 6-23]			
[Hemorrhage TGLs = 6-23]			
* Ovary		Hemorrhage	Mild
Note: Ovary-Several small arteries had mild medial hyperplasia, mild fibrinoid necrosis and mild to moderate chronic inflammation.			
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Mild
[Hematopoietic Cell Proliferation TGLs = 3-6]			
[Hyperplasia TGLs = 3-6]			
* Thymus		Hemorrhage	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Uterus		Hemorrhage	Marked
		Hyperplasia	Cystic, Marked
Note: TGL 7-24 Lesion included a large artery with moderate medial hyperplasia and moderate chronic inflammation.			
[Hemorrhage TGLs = 2-24, 7-24]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	222	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112587

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 1-7, 2-24, 7-24]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	223	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112588

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Minimal
* Harderian Gland		Adenoma	
[Adenoma TGLs = 7-12]			
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLs = 5-21]			
Lymph Node			
Note: Mediastinal (slide # 3) and Pancreatic (slide # 7) lymph nodes-		Lymphoma, malignant	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 1-6]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Lymphoma Malignant	
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 2-7, 3-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	224	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112589

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Lymphoma Malignant	
* Clitoral Gland		Inflammation	Chronic, Marked
[Inflammation TGLs = 1-8]			
* Gallbladder		Lymphoma Malignant	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 7-5]			
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Lymphoma Malignant	
[Eosinophilic Focus TGLs = 12-24]			
[Hepatocellular Carcinoma TGLs = 11-23]			
* Lung		Lymphoma Malignant	
Lymph Node	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
	Iliac	Lymphoma Malignant	
Note: Pancreatic lymph node-missing			
[Lymphoma Malignant TGLs = 13-3]			
[Lymphoma Malignant TGLs = 10-22]			
[Lymphoma Malignant TGLs = 9-21]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 8-5]			
* Mammary Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	224	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112589

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 2-7]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
		Mineralization	Minimal
* Skin	SOA	Erosion	Mild
	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Moderate
	SOA	Inflammation	Chronic, Mild
Note: TGL 15-65 :Lesion included a serocellular exudate.			
[Erosion TGLs = 15-65]			
[Hyperplasia TGLs = 15-65]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 4-6]			
* Thymus		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 14-3]			
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 5-7, 6-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	225	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	698
		DOSE:	0 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112590

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Salivary Glands	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Mild
	Capsule	Hyperplasia	Mild
* Gallbladder		Lymphoma Malignant	
* Harderian Gland		Hyperplasia	Focal, Mild
* Intestine Large, Cecum		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 10-24]		
* Intestine Small, Jejunum		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 11-25]		
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 8-5]		
* Liver		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 13-27, 14-28, 15-29, 16-30, 17-31, 18-6]		
* Lung		Lymphoma Malignant	
Lymph Node	Iliac	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 7-23]		
[Lymphoma Malignant	TGLs = 12-26]		
[Lymphoma Malignant	TGLs = 20-32]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 9-5]		
Mesentery		Lymphoma Malignant	
	Fat	Necrosis	Mild
[Lymphoma Malignant	TGLs = 3-21]		
[Necrosis	TGLs = 3-21, 4-22]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM: 225	**TMT:** 2	**SEX:** Female	**DAY ON TEST:** 698
	DOSE: 0 MG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 112590

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 2-7]			
* Pancreas		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 5-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 21-1]			
* Skin	SOA	Hyperkeratosis	Mild
	SOA	Inflammation	Chronic, Minimal
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 6-6]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Ulcer	Mild
* Thymus		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 19-3]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Moderate
[Hyperplasia TGLs = 22-3]			
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	226	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
* Spleen	Lymph Follic	Hyperplasia	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Urinary Bladder		Hyperplasia	Lymphoid, Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	227	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	619
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112592

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Gallbladder	* Harderian Gland	* Intestine Large, Rectum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Brain		Hemorrhage	Mild
[Hemorrhage TGLs = 7-1]			
* Heart		Mineralization	Minimal
* Kidney		Mineralization	Minimal
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLs = 8-22]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Moderate
Note: Histiocytes contained intracytoplasmic eosinophilic crystals.			
[Alveolar/Bronchiolar Carcinoma TGLs = 6-2]			
* Mammary Gland		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 4-21]			
* Spleen	Lymph Follic	Atrophy	Marked
		Hematopoietic Cell Proliferation	Marked
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 2-7, 3-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	227	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	619
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112592

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	228	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112593

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Mild
* Harderian Gland		Inflammation	Chronic, Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hyperplasia	Lymphoid, Mild
	Kupffer Cell	Pigmentation	Mild
[Hepatocellular Adenoma TGLs = 2-21, 3-22]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery			
Note: Mesentery, slide # 5-Moderate, focal necrosis with moderate acute inflammation.			
* Pancreas		Hyperplasia	Lymphoid, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Mild
* Thymus		Cyst	Mild
		Hyperplasia	Lymphoid, Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Urinary Bladder		Hyperplasia	Lymphoid, Mild
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	229	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112594

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Minimal
* Kidney		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 8-5]			
* Liver		Basophilic Focus	
		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 11-23, 12-24, 13-6, 14-25, 15-26]			
Lymph Node	Renal	Lymphoma Malignant	
Note: Iliac lymph nodes-No corresponding lesion to TGL 10.			
[Lymphoma Malignant TGLs = 9-21]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Cyst	Mild
[Cyst TGLs = 1-7]			
* Spleen		Lymphoma Malignant	
Note: TGL 5-28 and 7-29- Splenic lesion included marked necrosis surrounded by thick fibrous connective tissue. Fibrosis extended into the mesentery.			
[Lymphoma Malignant TGLs = 5-28, 6-6]			
Tissue NOS		Fibrosis	Moderate
[Fibrosis TGLs = 7-29]			
* Uterus		Angiectasis	Mild
		Hyperplasia	Cystic, Mild
[Angiectasis TGLs = 4-27]			
[Hyperplasia TGLs = 3-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	230	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112595

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Harderian Gland		Inflammation	Chronic, Mild
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLs = 1-21]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Ovary		Hemorrhage	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	231	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112596

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Mammary Gland	* Nose
* Pancreas	* Salivary Glands	* Stomach, Glandular	* Thymus
* Trachea			

MISSING

* Lymph Node, Mesenteric	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Harderian Gland		Inflammation	Chronic, Mild
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 2-22]			
* Ovary		Hemorrhage	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Skin	Subcut Tiss	Hemangiosarcoma	
	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
[Hemangiosarcoma TGLs = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
		Infiltration Cellular	Lymphocyte, Mild
* Urinary Bladder		Hyperplasia	Lymphoid, Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 3-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	232	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112597

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Harderian Gland		Hyperplasia	Focal, Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: Hepatocellular adenoma-additional lesion on slide # 6.			
[Basophilic Focus TGLs = 7-25]			
[Eosinophilic Focus TGLs = 6-24]			
[Hepatocellular Adenoma TGLs = 3-23]			
[Hepatocellular Carcinoma TGLs = 2-22]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
Mesentery		Congestion	Mild
[Congestion TGLs = 1-21]			
* Ovary		Cyst	Mild
[Cyst TGLs = 4-7]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Hemorrhage	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	232	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112597

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 5-7]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	233	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112598

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Mild
* Intestine Small, Duodenum		Carcinoma	
[Carcinoma TGLs = 2-21]			
* Intestine Small, Jejunum		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 3-3]			
* Kidney		Mineralization	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Focal, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
	Lymph Follic	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	234	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112599

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Necrosis	Focal, Minimal
* Mammary Gland		Carcinoma	
[Carcinoma TGLs = 1-21]			
* Ovary		Cyst	Mild
[Cyst TGLs = 2-7]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
* Uterus		Hyperplasia	Cystic, Moderate

Note: Lesion left uterine horn, TGL 4-7 (moderate) was more severe than in right uterine horn, TGL 3-7(mild).
[Hyperplasia TGLs = 3-7, 4-7]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	235	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112600

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
	Capsule	Hyperplasia	Mild
* Brain		Hyperplasia	Lymphoid, Mild
Note: Brain-perivascular infiltration of lymphocytes.			
* Harderian Gland		Adenoma	
[Adenoma TGLs = 10-12]			
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Eosinophilic Focus TGLs = 8-6]			
[Hepatocellular Adenoma TGLs = 4-22, 5-23, 6-24, 7-25, 8-6]			
[Hepatocellular Carcinoma TGLs = 3-21]			
* Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLs = 9-2]			
* Salivary Glands		Atrophy	Minimal
		Hyperplasia	Lymphoid, Mild
		Mineralization	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Mast Cell Tumor Benign	
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	236	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Moderate
		Clear Cell Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Carcinoma	
[Angiectasis TGLs = 2-21]			
[Eosinophilic Focus TGLs = 2-21]			
[Hepatocellular Carcinoma TGLs = 3-22]			
* Lymph Node, Mesenteric		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Minimal
* Thymus		Hemorrhage	Marked
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	237	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112602

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
	Capsule	Hyperplasia	Moderate
* Bone	Femur	Fibro-Osseous Lesion	Mild
* Bone Marrow		Myelofibrosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Clear Cell Focus TGLs = 10-26]			
[Eosinophilic Focus TGLs = 7-23]			
[Hemangiosarcoma TGLs = 9-25]			
[Hepatocellular Adenoma TGLs = 8-24]			
[Hepatocellular Carcinoma TGLs = 5-21, 6-22]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
[Alveolar/Bronchiolar Carcinoma TGLs = 12-2]			
Lymph Node	Iliac	Ectasia	Moderate
[Ectasia TGLs = 11-27]			
* Pancreas		Atrophy	Minimal
* Spleen		Hemangiosarcoma	
	Lymph Follic	Hyperplasia	Minimal
[Hemangiosarcoma TGLs = 4-28]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	237	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112602

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Urinary Bladder		Hyperplasia	Lymphoid, Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	238	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	675
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112603

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Clitoral Gland

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
	Capsule	Hyperplasia	Marked
* Kidney		Lymphoma Malignant	
		Mineralization	Mild
		Nephropathy	Moderate
[Lymphoma Malignant TGLs = 5-5]			
[Nephropathy TGLs = 5-5]			
* Liver		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
Note: Hepatocellular adenoma also observed on slide #23.			
[Hepatocellular Adenoma TGLs = 6-6, 7-22]			
[Lymphoma Malignant TGLs = 8-23]			
Lymph Node		Histiocytic Sarcoma	
Note: TGL 10-24 (left axillary lymph node) TGL 11-25 (right axillary lymph node)			
[Histiocytic Sarcoma TGLs = 10-24, 11-25]			
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLs = 2-8]			
* Nose		Inflammation	Chronic, Moderate
Note: There were inflammatory infiltrates in both the nasolacrimal and nasopharyngeal ducts.			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	238	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	675
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112603

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Histiocytic Sarcoma	
	SOA	Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Minimal
	Epidermis, SOA	Hyperplasia	Minimal
Note: TGL 9-21 also observed on slide #8 in subctaneous tissue surrounding the salivary glands.			
[Histiocytic Sarcoma TGLs = 9-21]			
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 4-6]			
* Stomach, Forestomach		Ulcer	Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 3-7]			

PRIMARY CAUSE OF DEATH - Skin Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	239	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	697
		DOSE:	0 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112604

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Minimal
	Capsule	Hyperplasia	Mild
* Bone Marrow		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
		Metaplasia	Osseous, Mild
* Liver		Hepatocellular Adenoma	
		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 5-23]			
* Lung		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin		Fibrosarcoma	
[Fibrosarcoma TGLs = 1-21]			
* Spleen		Angiectasis	Marked
		Hematopoietic Cell Proliferation	Marked
		Lymphoma Malignant	
[Angiectasis TGLs = 4-22]			
[Hematopoietic Cell Proliferation TGLs = 3-6]			
[Lymphoma Malignant TGLs = 3-6]			
* Stomach, Forestomach		Squamous Cell Papilloma	
* Urinary Bladder		Hyperplasia	Lymphoid, Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	239	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	697
		DOSE:	0 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112604

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Skin Fibrosarcoma
CONTRIBUTORY CAUSE OF DEATH - Spleen Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	240	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112605

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Nose	* Parathyroid Gland
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLs = 11-22]			
* Bone	Femur	Fibro-Osseous Lesion	Moderate
* Bone Marrow		Lymphoma Malignant	
* Harderian Gland		Inflammation	Chronic, Mild
* Kidney		Lymphoma Malignant	
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Lymphoma Malignant	
Lymph Node	Pancreatic	Lymphoma Malignant	
		Lymphoma Malignant	
	Renal	Lymphoma Malignant	
	Iliac	Lymphoma Malignant	
	Inguinal	Lymphoma Malignant	
Note: TGL 13-24 Axillary lymph node			
[Lymphoma Malignant TGLs = 8-7]			
[Lymphoma Malignant TGLs = 13-24]			
[Lymphoma Malignant TGLs = 12-23]			
[Lymphoma Malignant TGLs = 6-21]			
[Lymphoma Malignant TGLs = 1-8]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 2-8]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 10-5]			
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Cyst	Mild
		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM: 240	**TMT:** 2	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 0 MG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 112605

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLs = 3-25]			
* Pancreas		Atrophy	Marked
* Pituitary Gland	Pars Intermed	Hyperplasia	Focal, Mild
* Salivary Glands		Lymphoma Malignant	
* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 7-6]			
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Urinary Bladder		Lymphoma Malignant	
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 4-7, 5-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	241	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112606

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Minimal
* Kidney		Infarct	Minimal
		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLs = 3-21]			
* Ovary	Interstit Cell	Hyperplasia	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Minimal
Note: Slide # 65 SOA Lesion included a serocellular exudate.			
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7, 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	242	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112607

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
[Eosinophilic Focus TGLs = 3-6]			
[Hepatocellular Carcinoma TGLs = 1-21]			
* Lung		Congestion	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Ovary		Hemorrhage	Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
	Lymph Follic	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	243	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	687
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112608

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Brain		Hemorrhage	Minimal
* Clitoral Gland		Inflammation	Chronic, Mild
* Kidney		Hyperplasia	Lymphoid, Mild
* Liver		Hemorrhage	Marked
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Lymphoma Malignant	
		Necrosis	Focal, Marked
[Hepatocellular Adenoma TGLs = 4-21, 6-6]			
[Hepatocellular Carcinoma TGLs = 5-22]			
[Lymphoma Malignant TGLs = 6-6]			
[Necrosis TGLs = 6-6]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Lymphoma Malignant	
Note: TGL 2-6 was an early lesion.			
[Lymphoma Malignant TGLs = 2-6]			
* Thymus		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 7-3]			
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	243	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	687
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112608

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder	Hyperplasia	Lymphoid, Mild
* Uterus	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 3-7]		

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	244	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112609

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Minimal
* Brain		Hyperplasia	Lymphoid, Mild
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	Kupffer Cell	Pigmentation	Mild
[Hepatocellular Adenoma TGLs = 3-6, 4-22, 5-23]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1-21]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Carcinoma	
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	245	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112610

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Marked
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Carcinoma	
		Necrosis	Focal, Mild
[Clear Cell Focus TGLs = 6-23]			
[Hepatocellular Carcinoma TGLs = 4-21]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
[Hepatocellular Carcinoma TGLs = 7-2]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 8-21]			
* Ovary		Cyst	Mild
		Hemorrhage	Marked
		Thrombosis	Moderate
[Cyst TGLs = 3-7]			
[Hemorrhage TGLs = 3-7]			
[Thrombosis TGLs = 3-7]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Mild
[Hematopoietic Cell Proliferation TGLs = 2-6]			
[Hyperplasia TGLs = 2-6]			
* Stomach, Glandular		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	245	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112610

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 1-7]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	246	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	678
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	12611

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Clitoral Gland	* Gallbladder	* Pituitary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Spleen		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Cyst	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLs = 1-21]			
[Hepatocellular Carcinoma TGLs = 2-22, 3-22, 4-23]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
		Infiltration Cellular	Histiocyte, Moderate
Note: Histiocytes contained intracytoplasmic eosinophilic crystals.			
[Hepatocellular Carcinoma TGLs = 5-2, 6-25, 7-25, 8-2, 9-2, 10-2]			
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLs = 12-24]			
* Parathyroid Gl			
Note: Parathyroid tissue on slide #3.1			
* Stomach, Glandular		Ulcer	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	246	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	678
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	12611

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH	- Liver	Hepatocellular Carcinoma	
CONTRIBUTORY CAUSE OF DEATH	- Lung	Hepatocellular Carcinoma	Liver

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	247	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	692
		DOSE:	0 MG/KG	**DISP:**	Natural Death	**HISTO:**	112612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Heart
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	

MISSING

* Lymph Node, Mesenteric

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Liver		Lymphoma Malignant	
	Centrilobular	Necrosis	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Lymphoma Malignant	TGLs = 3-6]		
Lymph Node			
Note: Pancreatic lymph node-slide #3 lymphoma.			
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 2-6]		
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Urinary Bladder		Hyperplasia	Lymphoid, Mild
* Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	248	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112613

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hyperplasia	Lymphoid, Mild
[Hepatocellular Adenoma TGLs = 1-6, 2-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mandibular		Atrophy	Mild
* Lymph Node, Mesenteric		Atrophy	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 4-21]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen	Lymph Follic	Hyperplasia	Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 3-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	249	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112614

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLs = 6-6]			
[Hepatocellular Carcinoma TGLs = 7-24, 9-25]			
* Ovary	Interstit Cell	Hyperplasia	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
Skeletal Muscle		Fibrosarcoma	Metastatic (Skin)
[Fibrosarcoma TGLs = 11-27]			
* Skin		Hyperkeratosis	Moderate
	Epidermis	Hyperplasia	Moderate
	Subcut Tiss	Schwannoma Malignant	
[Hyperplasia TGLs = 1-21]			
[Schwannoma Malignant TGLs = 1-21, 2-22, 3-23]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 4-7]			

Animal Note: TGL 1-21, 2-22, 3-23, and 11-27 Tumor also contained multifocal areas with loosely arranged spindle cells within a pale basophilic matrix (myxomatous)

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	249	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	0 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112614

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	250	**TMT:**	2	**SEX:**	Female	**DAY ON TEST:**	698
		DOSE:	0 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112615

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Mild
* Harderian Gland		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
		Sarcoma	

Note: TGL 5-24 Undifferentiated neoplasm composed of pleomorphic oval cells infiltrating renal parenchyma. Myxomatous areas.
[Sarcoma TGLs = 5-24]

* Liver		Angiectasis	Mild
		Hepatocellular Carcinoma	Multiple

[Angiectasis TGLs = 3-22]
[Hepatocellular Carcinoma TGLs = 2-21, 4-23]

* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Glandular	Epithelium	Hyperplasia	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Marked

[Hyperplasia TGLs = 1-7]

PRIMARY CAUSE OF DEATH - Kidney Sarcoma
CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	251	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112616

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Hyperostosis	Mild
* Clitoral Gland		Inflammation	Chronic, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
* Ovary		Cyst	Mild
		Thrombosis	Marked
[Cyst TGLs = 1-7]			
[Thrombosis TGLs = 1-7]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Mild
Note: Slide # 65 SOA Lesions included a serocellular exudate.			
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	252	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112617

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLs = 3-10]			
* Bone	Femur	Fibro-Osseous Lesion	Minimal
* Kidney		Lymphoma Malignant	
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
[Eosinophilic Focus TGLs = 6-24]			
[Hepatocellular Adenoma TGLs = 4-22, 5-23]			
* Lung		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
Note: Metastatic pheochromocytoma-intravascular tumor emboli.			
Lymph Node		Ectasia	Marked
		Hemorrhage	Marked
[Ectasia TGLs = 1-21]			
[Hemorrhage TGLs = 1-21]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Hemorrhage	Mild
* Salivary Glands		Mineralization	Minimal
* Spleen		Lymphoma Malignant	
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM: 253	**TMT:** 4	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 10 MG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 112618

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation Hepatocellular Adenoma	Minimal
Lymph Node	Mediastinal	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 4-3]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 3-21]			
* Ovary		Hemorrhage	Mild
* Spleen		Hematopoietic Cell Proliferation Lymphoma Malignant	Mild
[Lymphoma Malignant TGLs = 2-6]			
* Thyroid Gland	Follicle	Degeneration Inflammation	Focal, Moderate Chronic, Minimal
* Urinary Bladder		Hyperplasia	Lymphoid, Mild
* Uterus		Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	254	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112619

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Infarct	Minimal
		Lymphoma Malignant	
		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
[Angiectasis TGLs = 6-23, 10-26]			
[Eosinophilic Focus TGLs = 8-25, 9-26]			
[Hepatocellular Adenoma TGLs = 4-21, 5-22, 7-24]			
* Ovary		Cyst	Mild
		Hemorrhage	Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLs = 3-6]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Ulcer	Mild
* Stomach, Glandular		Erosion	Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hemangiosarcoma	
		Hyperplasia	Cystic, Mild
[Hemangiosarcoma TGLs = 1-7]			
[Hyperplasia TGLs = 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	255	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	590
		DOSE:	10 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112620

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLs = 3-21]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Marked
Note: Histiocytes contained intracytoplasmic eosinophilic crystals.			
[Alveolar/Bronchiolar Carcinoma TGLs = 4-2]			
Lymph Node	Bronchial	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLs = 5-22]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Skin	SOA	Inflammation	Chronic, Minimal
* Stomach, Forestomach		Edema	Minimal
	Epithelium	Hyperplasia	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 2-7]			

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

Animal Note: Slide #3. Mediastinal adipose tissue-metastatic alveolar/bronchiolar carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	256	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	597
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Stomach, Glandular	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
		Lymphoma Malignant	
* Heart		Lymphoma Malignant	
		Mineralization	Minimal
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
		Infarct	Mild
		Lymphoma Malignant	
* Liver		Clear Cell Focus	
		Lymphoma Malignant	
		Necrosis	Focal, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Lymphoma Malignant	TGLs = 8-6]		
Lymph Node	Iliac	Lymphoma Malignant	
Note: Inguinal lymph node-slide #8 lymphoma			
[Lymphoma Malignant	TGLs = 9-6]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Lymphoma Malignant	
Note: Ovary, lymphoma-bilateral lesion.			
[Lymphoma Malignant	TGLs = 6-7]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	256	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	597
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112621

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	Edema	Mild
[Edema TGLs = 1-8]		
* Spleen	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 7-6]		
* Uterus	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 4-22, 5-7]		

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	257	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
	Capsule	Hyperplasia	Mild
* Brain		Hemorrhage	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 2-21, 3-6, 4-22, 5-23, 6-24]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Hemorrhage	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Urinary Bladder		Hyperplasia	Lymphoid, Mild
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	258	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	676
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112623

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Small, Ileum	* Intestine Small, Jejunum

INSUFFICIENT TISSUE

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Liver	Centrilobular	Necrosis	Marked
		Vacuolization Cytoplasmic	Mild
* Skin	SOA	Hyperkeratosis	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7]			

PRIMARY CAUSE OF DEATH - Liver Centrilobular Necrosis

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	259	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Hyperostosis	Minimal
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Marked
		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLs = 7-23]			
Lymph Node		Ectasia	Moderate
		Hematopoietic Cell Proliferation	Marked
		Hemorrhage	Moderate
		Sarcoma	Metastatic (Uncertain Primary Site)
[Ectasia TGLs = 5-22]			
[Hematopoietic Cell Proliferation TGLs = 1-21]			
[Hemorrhage TGLs = 1-21]			
[Sarcoma TGLs = 1-21, 5-22]			
Mesentery			
Note: Slide # 5 Histiocytic sarcoma in adipose tissue surrounding left renal pelvis and ureter.			
* Ovary		Cyst	Mild
		Hemorrhage	Mild
[Cyst TGLs = 3-7]			
* Spleen		Hematopoietic Cell Proliferation	Marked
	Lymph Follic	Hyperplasia	Mild
[Hematopoietic Cell Proliferation TGLs = 6-6]			
[Hyperplasia TGLs = 6-6]			
* Uterus		Hyperplasia	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	259	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112624

ORGAN AND ACCOUNTABLE SITE STATUS

Vagina	[Hyperplasia TGLs = 4-7] [Sarcoma TGLs = 2-24]	Sarcoma	Metastatic (Uncertain Primary Site)

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	260	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112625

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Harderian Gland		Adenoma	
[Adenoma TGLs = 3-12]			
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLs = 2-21]			
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mandibular		Hemorrhage	Minimal
* Ovary		Hemorrhage	Mild
* Pancreas		Inflammation	Chronic, Focal, Moderate
* Spleen	Lymph Follic	Hyperplasia	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	261	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112626

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Infarct	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLs = 5-23, 8-6]			
[Hepatocellular Carcinoma TGLs = 3-21, 4-22, 6-24, 7-25]			
* Lymph Node, Mesenteric		Atrophy	Minimal
* Ovary		Cyst	Mild
[Cyst TGLs = 2-7]			
* Spleen		Hematopoietic Cell Proliferation	Marked
	Lymph Follic	Hyperplasia	Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	262	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112627

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Hyperostosis	Mild
* Harderian Gland		Inflammation	Chronic, Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Focal, Mild
* Lymph Node, Mandibular		Lymphoma Malignant	
* Ovary		Cyst	Mild
[Cyst TGLs = 2-7]			
* Spleen		Lymphoma Malignant	
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Moderate
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	263	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112628

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Marked
* Bone	Femur	Hyperostosis	Mild
* Kidney		Cyst	Mild
		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 9-24, 10-25]			
Lymph Node	Renal	Lymphoma Malignant	
	Iliac	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 7-22]			
[Lymphoma Malignant TGLs = 8-23]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 1-8]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 6-5]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 4-21]			
* Ovary		Hemorrhage	Mild
* Skin	SOA	Hyperkeratosis	Mild
		Hyperkeratosis	Minimal
	SOA	Inflammation	Chronic, Minimal
		Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	263	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112628

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLs = 5-6]
[Lymphoma Malignant TGLs = 5-6]

* Thyroid Gland	Follicle	Degeneration	Focal, Marked
* Uterus		Hyperplasia	Cystic, Marked

[Hyperplasia TGLs = 2-7, 3-7]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	264	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	639
		DOSE:	10 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112629

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
Peripheral Nerve	* Salivary Glands	* Skin	Spinal Cord
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Brain		Compression	Marked
[Compression TGLs = 3-1]			
* Kidney		Nephropathy	Minimal
* Mammary Gland		Hyperplasia	Moderate
		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 2-1]			
* Spleen		Pigmentation	Moderate
* Stomach, Glandular		Cyst	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	265	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112630

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Mild
* Harderian Gland		Hyperplasia	Focal, Mild
* Kidney		Infarct	Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
[Eosinophilic Focus TGLs = 3-22]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1-21]			
* Ovary		Teratoma Malignant	
[Teratoma Malignant TGLs = 5-7]			
* Pancreas		Atrophy	Mild
Note: Lesion observed on slide # 4.			
* Skin	SOA	Hyperkeratosis	Minimal
		Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	Epidermis	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
		Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	265	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112630

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	266	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: Hepatocellular adenoma-additional lesion on slide # 6.			
[Hepatocellular Adenoma TGLs = 3-21, 6-24]			
[Hepatocellular Carcinoma TGLs = 4-22]			
* Lung		Hemorrhage	Mild
* Lymph Node, Mandibular		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLs = 5-23]			
* Ovary		Cyst	Mild
		Hemorrhage	Mild
[Cyst TGLs = 1-7]			
* Pancreas		Cyst	Mild
Note: Lesion observed on slide # 4.			
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Minimal
		Inflammation	Chronic, Mild
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 2-6]			
* Thymus		Hemorrhage	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	266	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112631

ORGAN AND ACCOUNTABLE SITE STATUS

		Lymphoma Malignant	
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Pigmentation	Moderate
		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	267	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone	Femur	Fibro-Osseous Lesion	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLs = 2-21]			
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	268	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112633

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Infarct	Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLs = 2-21, 4-23]			
[Hepatocellular Carcinoma TGLs = 3-22]			
* Skin		Hyperkeratosis	Minimal
	Epidermis	Hyperplasia	Minimal
		Inflammation	Acute, Mild
Note: Vulva-slide # 8-Marked, focal, polypoid, squamous hyperplasia.			
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Stomach, Glandular		Cyst	Mild
* Thymus		Hemorrhage	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	269	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112634

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Minimal
* Brain		Compression	Mild
		Hyperplasia	Lymphoid, Minimal
[Compression TGLs = 7-1]			
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Necrosis	Focal, Minimal
[Hepatocellular Carcinoma TGLs = 5-22]			
* Mammary Gland		Infiltration Cellular	Lymphocyte, Mild
Mesentery	Fat	Necrosis	Mild
Note: Multifocal mild lymphocyte infiltration.			
[Necrosis TGLs = 2-21]			
* Ovary		Cyst	Mild
[Cyst TGLs = 3-7]			
* Pituitary Gland	Pars Intermed	Adenoma	
[Adenoma TGLs = 6-1]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Mild
* Stomach, Forestomach		Erosion	Minimal
* Thymus		Hemorrhage	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	269	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112634

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Bilateral, Follicular Cel	Hyperplasia	Diffuse, Moderate
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 4-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	270	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	678
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112635

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Stomach, Glandular	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Brain		Hemorrhage	Mild
* Heart		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLs = 7-28, 13-12, 13-28]			
* Liver		Congestion	Mild
		Hemorrhage	Minimal
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Histiocytic Sarcoma	
Note: Hepatocellular adenoma-additional lesion on slide # 22.			
[Hepatocellular Adenoma TGLs = 2-22]			
[Hepatocellular Carcinoma TGLs = 4-24]			
[Histiocytic Sarcoma TGLs = 4-24]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
		Histiocytic Sarcoma	
[Hepatocellular Carcinoma TGLs = 9-30, 10-2, 12-2]			
[Histiocytic Sarcoma TGLs = 8-29, 11-29]			
Mesentery		Histiocytic Sarcoma	
Note: TGL 1-21 was also observed on slide #6.			
[Histiocytic Sarcoma TGLs = 1-21]			
* Ovary		Angiectasis	Moderate
* Pancreas		Histiocytic Sarcoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	270	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	678
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112635

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	SOA	Hyperkeratosis	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
Tissue NOS		Histiocytic Sarcoma	
[Histiocytic Sarcoma	TGLs = 6-27, 14-25]		
* Uterus		Angiectasis	Mild
		Hyperplasia	Cystic, Mild
[Hyperplasia	TGLs = 16-7]		

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma
CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	271	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112636

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Eye	Cornea	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Harderian Gland		Adenoma	
[Adenoma TGLs = 4-12]			
* Kidney		Hyperplasia	Lymphoid, Mild
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Carcinoma	
		Hyperplasia	Lymphoid, Mild
[Hepatocellular Carcinoma TGLs = 3-22]			
* Lung	Alveolar Epith	Hyperplasia	Marked
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	272	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112637

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Intestine Small, Ileum		Inflammation	Acute, Mild
Note: Lesion observed on slide # 27.			
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLs = 7-23, 8-24, 10-26]			
[Hepatocellular Carcinoma TGLs = 9-25]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Moderate
		Hyperplasia	Plasma Cell, Moderate
		Infiltration Cellular	Neutrophil, Mild
Mesentery		Liposarcoma	
	Fat	Necrosis	Marked
Note: Lesions included necrosis, fibrosis, chronic inflammation, cholesterol clefts, and mineralization.			
[Liposarcoma TGLs = 4-21, 5-22, 11-27]			
[Necrosis TGLs = 1-7]			
* Pancreas		Atrophy	Marked
		Cyst	Mild
[Cyst TGLs = 6-28]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	272	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112637

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hemangiosarcoma	
[Hemangiosarcoma TGLs = 3-6]			
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	273	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112638

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Skin	* Stomach, Glandular	* Thymus	* Trachea

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Minimal
* Liver		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Urinary Bladder		Lymphoma Malignant	
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	274	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112639

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Clear Cell Focus	
[Angiectasis TGLs = 5-23]			
[Clear Cell Focus TGLs = 5-23]			
Lymph Node		Lymphoma Malignant	
	Iliac	Lymphoma Malignant	
	Bronchial	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 3-22]			
[Lymphoma Malignant TGLs = 2-21]			
[Lymphoma Malignant TGLs = 8-2]			
[Lymphoma Malignant TGLs = 7-3]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 4-5]			
* Ovary		Cyst	Mild
		Hemorrhage	Mild
[Cyst TGLs = 9-7]			
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Mild
* Thymus		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	274	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112639

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLs = 6-3]

* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Marked

[Hyperplasia TGLs = 1-7]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	275	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112640

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Infarct	Mild
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 3-21, 4-22, 5-23, 6-24, 7-25]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
* Thymus		Lymphoma Malignant	
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7, 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	276	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Harderian Gland		Hyperplasia	Focal, Moderate
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	Kupffer Cell	Pigmentation	Mild
[Hepatocellular Adenoma TGLs = 11-27]			
[Hepatocellular Carcinoma TGLs = 7-23, 8-24, 9-25, 10-26]			
* Lung		Hemorrhage	Minimal
		Hepatocellular Carcinoma	Metastatic (Liver)
Note: Metastatic hepatocellular carcinomas-intravascular tumor emboli.			
[Hemorrhage TGLs = 12-2]			
[Hepatocellular Carcinoma TGLs = 12-2]			
Lymph Node			
Note: Pancreatic lymph node-lymphoma, malignant			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 5-5]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1-21, 2-22, 4-7]			
* Ovary		Cyst	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 3-6]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	276	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112641

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Ulcer	Moderate
* Thymus		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	277	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hyperplasia	Focal, Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hyperplasia	Lymphoid, Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
* Lymph Node, Mandibular		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLs = 3-21]			
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
[Angiectasis TGLs = 5-1]			
[Hyperplasia TGLs = 5-1]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 2-6]			
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 4-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	278	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112643

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 4-6, 5-23]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLs = 6-24]			
Lymph Node		Ectasia	Marked
		Hemorrhage	Marked
[Ectasia TGLs = 2-21]			
[Hemorrhage TGLs = 2-21]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 3-22]			
* Ovary		Hemorrhage	Mild
* Skin		Edema	Marked
	SOA	Hyperkeratosis	Minimal
	SOA	Inflammation	Acute, Mild
		Inflammation	Acute, Moderate
[Edema TGLs = 7-25]			
[Inflammation TGLs = 7-25]			
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	278	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112643

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Papilloma TGLs = 8-26]			
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	279	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112644

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Brain		Compression	Marked
		Hyperplasia	Lymphoid, Minimal
[Compression TGLs = 5-1]			
* Liver		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
	Kupffer Cell	Pigmentation	Mild
[Hepatocellular Adenoma TGLs = 4-21]			
* Lung		Hemorrhage	Minimal
* Lymph Node, Mandibular		Hemorrhage	Minimal
* Mammary Gland		Carcinoma	
Note: TGL 1-8 This early lesion included acinar and squamous differentiation, keratin, and chronic inflammation.			
[Carcinoma TGLs = 1-8]			
* Ovary		Hemorrhage	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 6-1]			
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild
* Thymus		Hemorrhage	Mild
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 3-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	280	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112645

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Minimal
	Femur	Hyperostosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Basophilic Focus TGLs = 7-24]			
[Hepatocellular Adenoma TGLs = 6-23, 8-25]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery		Hemorrhage	Mild
	Fat	Necrosis	Mild
[Hemorrhage TGLs = 1-21]			
[Necrosis TGLs = 5-22]			
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
Note: Slide # 65 SOA Lesions included serocellular exudate.			
* Spleen		Lymphoma Malignant	
* Stomach, Glandular		Cyst	Mild
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 2-7, 3-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	281	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112646

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Trachea		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLs = 6-10]			
* Heart		Cardiomyopathy	Mild
		Hepatocellular Carcinoma	Metastatic (Liver)
Note: Metastatic hepatocellular carcinoma-intravascular tumor emobli.			
* Kidney		Hepatocellular Carcinoma	Metastatic (Liver)
Note: Metastatic hepatocellular carcinoma-intravascular tumor emboli.			
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Necrosis	Focal, Mild
[Hepatocellular Adenoma TGLs = 12-6]			
[Hepatocellular Carcinoma TGLs = 10-25, 11-26]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
[Hepatocellular Carcinoma TGLs = 13-2, 14-2, 15-2, 16-2, 17-2, 18-2]			
* Lymph Node, Mesenteric		Hepatocellular Carcinoma	Metastatic (Liver)
* Mammary Gland		Hyperplasia	Mild
Mesentery		Hepatocellular Carcinoma	Metastatic (Liver)
	Fat	Necrosis	Mild
[Hepatocellular Carcinoma TGLs = 3-22, 7-23, 9-24]			
[Necrosis TGLs = 2-21]			
* Nose		Inflammation	Chronic, Mild
* Ovary		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM: 281	**TMT:** 4	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 10 MG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 112646

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLs = 4-7]

* Pancreas		Necrosis	Mild
Note: Necrosis-Lesion observed on slide # 5.			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Urinary Bladder		Hyperplasia	Lymphoid, Mild
* Uterus		Hyperplasia	Cystic, Marked
		Polyp Stromal	

[Hyperplasia TGLs = 5-7]
[Polyp Stromal TGLs = 5-7]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	282	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	609
		DOSE:	10 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112647

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Trachea	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Intestine Small, Duodenum		Hyperplasia	Mild
		Ulcer	Marked
Note: Duodenal lesions included mild villous blunting and fusion.			
* Liver		Bile Stasis	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Vacuolization Cytoplasmic	Mild
[Hepatocellular Adenoma TGLs = 5-6, 6-22]			
[Hepatocellular Carcinoma TGLs = 7-23]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 4-21]			
* Pancreas		Atrophy	Marked
* Spleen		Lymphoma Malignant	
* Stomach, Glandular		Erosion	Mild
Note: Erosion observed on slide # 25 (see histology processing notes).			
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Urinary Bladder		Hyperplasia	Lymphoid, Mild
* Uterus		Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	282	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	609
		DOSE:	10 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112647

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 3-7, 8-24]

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Intestine Small, Duodenum Ulcer
- Pancreas Atrophy

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	283	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112648

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
	Capsule	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLs = 4-22, 5-23, 8-26]			
[Hepatocellular Carcinoma TGLs = 3-21, 6-24, 7-25]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Ovary		Cyst	Mild
		Thrombosis	Marked
[Cyst TGLs = 1-27]			
[Thrombosis TGLs = 1-27]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 9-1]			
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
	Lymph Follic	Hyperplasia	Mild
[Hematopoietic Cell Proliferation TGLs = 2-6]			
[Hyperplasia TGLs = 2-6]			
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	284	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112649

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Eye		Inflammation	Chronic, Minimal
* Harderian Gland		Adenoma	
[Adenoma TGLs = 12-12]			
* Intestine Small, Duodenum		Adenoma	
[Adenoma TGLs = 5-22]			
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Lymphoma Malignant	
		Metaplasia	Osseous, Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Moderate
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 6-6, 7-23, 8-24, 9-25, 10-6, 11-6]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 1-8]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLs = 4-21]			
* Ovary		Hemorrhage	Mild
* Pancreas		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
[Hematopoietic Cell Proliferation TGLs = 3-6]			
[Lymphoma Malignant TGLs = 3-6]			
* Thymus		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	284	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112649

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder	Lymphoma Malignant	
* Uterus	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 2-7]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	285	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	571
		DOSE:	10 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112650

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
Note: Adrenal cortex-edema, mild, bilateral			
* Eye	Retina	Degeneration	Mild
	Bilateral	Hemorrhage	Marked
	Bilateral, Optic Nerve	Necrosis	Marked
	Bilateral	Retinal Detachment	Marked
Note: Eye, optic nerve, necrosis-This lesion was observed on slides # 1 and # 44.			
[Hemorrhage TGLs = 12-44]			
[Retinal Detachment TGLs = 12-44]			
* Harderian Gland	Bilateral	Hemorrhage	Marked
	Bilateral	Lymphoma Malignant	
[Hemorrhage TGLs = 11-12]			
[Lymphoma Malignant TGLs = 11-12]			
* Liver		Lymphoma Malignant	
		Necrosis	Focal, Mild
[Lymphoma Malignant TGLs = 8-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 9-2]			
Lymph Node	Iliac	Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	285	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	571
		DOSE:	10 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112650

ORGAN AND ACCOUNTABLE SITE STATUS

Renal	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 6-21]		
[Lymphoma Malignant TGLs = 10-22]		
* Lymph Node, Mesenteric	Atrophy	Moderate
* Mammary Gland	Hyperplasia	Minimal
* Ovary	Cyst	Mild
	Hemorrhage	Marked
[Cyst TGLs = 3-7]		
[Hemorrhage TGLs = 3-7]		
* Pancreas	Lymphoma Malignant	
* Skin	Hemorrhage	Marked
Note: TGL 1-23 Hemorrhage also observed surrounding the salivary glands and in skin of face. Lesion more severe (marked) on slide #8 than slide #23 or #9.		
[Hemorrhage TGLs = 1-23]		
* Spleen	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 5-6]		
* Uterus	Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 4-7]		

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	286	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112651

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Eye	Retina	Degeneration	Minimal
* Harderian Gland		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum		Inflammation	Acute, Mild
* Kidney		Hyperplasia	Lymphoid, Mild
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLs = 4-21, 5-22]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Ovary		Cyst	Mild
[Cyst TGLs = 1-7]			
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
Note: Slide # 65 SOA Lesions included a serocellular exudate.			
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 2-7]			
Vagina		Hyperplasia	Squamous, Moderate
		Inflammation	Chronic, Marked
		Necrosis	Marked
[Hyperplasia TGLs = 3-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	286	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112651

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLs = 3-7]
[Necrosis TGLs = 3-7]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	287	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112652

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Intestine Small, Jejunum		Carcinoma	
[Carcinoma TGLs = 9-24]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Hyperplasia	Lymphoid, Mild
[Eosinophilic Focus TGLs = 6-6]			
[Hepatocellular Adenoma TGLs = 3-21, 4-22, 5-6]			
[Hepatocellular Carcinoma TGLs = 7-23]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Mild
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 1-6]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	288	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112653

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Ovary	* Parathyroid Gland	* Stomach, Glandular	* Trachea
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 3-10]			
* Gallbladder		Lymphoma Malignant	
* Harderian Gland		Adenoma	
[Adenoma TGLs = 20-12]			
* Kidney	Bilateral	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 6-23, 7-24]			
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant	
		Necrosis	Focal, Moderate
[Hepatocellular Adenoma TGLs = 12-27, 14-29, 16-31]			
[Hepatocellular Carcinoma TGLs = 11-26, 13-28, 15-30]			
[Lymphoma Malignant TGLs = 10-6]			
* Lung		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 19-2]			
Lymph Node	Bronchial	Lymphoma Malignant	
	Iliac	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 18-2]			
[Lymphoma Malignant TGLs = 5-22]			
[Lymphoma Malignant TGLs = 4-21]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 2-5]			
Mesentery	Fat	Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	288	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112653

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLs = 8-25]			
* Nose		Inflammation	Chronic, Minimal
* Pancreas		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hemorrhage	Mild
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 1-6]			
* Stomach, Forestomach		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 17-3]			
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Urinary Bladder		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	289	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112654

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
	Capsule	Hyperplasia	Mild
Note: An approximately 1 mm X 1 mm sized cyst was observed unilaterally in the adrenal cortex.			
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
		Mixed Cell Focus	
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLs = 1-21]			
* Skin		Schwannoma Malignant	
[Schwannoma Malignant TGLs = 3-22]			
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	290	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112655

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone	Femur	Fibro-Osseous Lesion	Mild
	Cranium	Osteopetrosis	Minimal
* Harderian Gland		Hyperplasia	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
[Basophilic Focus TGLs = 3-22]			
[Hepatocellular Adenoma TGLs = 3-22]			
* Lung		Metaplasia	Osseous, Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLs = 2-21]			
* Nose		Hemorrhage	Mild
* Ovary		Hemorrhage	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
Note: Slide # 65 Lesions included a serocellular exudate.			
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
* Thymus		Hemorrhage	Mild
* Uterus		Hyperplasia	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	290	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112655

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 1-7]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	291	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112656

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone	Femur	Fibro-Osseous Lesion	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
[Hepatocellular Adenoma TGLs = 4-22, 5-23]			
[Lymphoma Malignant TGLs = 6-24]			
* Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLs = 7-25]			
* Lymph Node, Mandibular		Atrophy	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 2-21]			
* Skin		Hyperkeratosis	Mild
		Inflammation	Chronic, Minimal
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 3-6]			
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM: 292	**TMT:** 4	**SEX:** Female	**DAY ON TEST:** 590
	DOSE: 10 MG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 112657

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
	Capsule	Hyperplasia	Mild
* Bone Marrow		Sarcoma	
* Eye	Cornea	Hyperplasia	Minimal
* Harderian Gland		Carcinoma	
[Carcinoma TGLs = 8-12]			
* Intestine Large, Colon		Edema	Mild
		Inflammation	Acute, Minimal
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
		Infarct	Mild
	Renal Tubule	Necrosis	Minimal
* Liver		Infarct	Marked
		Necrosis	Focal, Moderate
		Sarcoma	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Infarct TGLs = 11-24]			
[Necrosis TGLs = 10-23]			
[Sarcoma TGLs = 5-6, 6-21, 10-23]			
* Lung		Sarcoma	
* Lymph Node, Mandibular		Sarcoma	
* Lymph Node, Mesenteric		Sarcoma	
* Nose	Glands	Cyst	Mild
Note: Nose-nasal glands contained numerous small keratin filled cysts			
* Ovary		Sarcoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM: 292	**TMT:** 4	**SEX:** Female	**DAY ON TEST:** 590
	DOSE: 10 MG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 112657

ORGAN AND ACCOUNTABLE SITE STATUS

Skeletal Muscle		Inflammation	Chronic, Minimal
Note: TGL 9-25. Lesion included mild edema.			
[Inflammation TGLs = 9-25]			
* Skin		Edema	Mild
[Edema TGLs = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Marked
		Sarcoma	
[Sarcoma TGLs = 3-6]			
* Stomach, Glandular		Erosion	Minimal
		Mineralization	Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Moderate
		Sarcoma	
[Sarcoma TGLs = 7-22]			

PRIMARY CAUSE OF DEATH - Uterus Sarcoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	293	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	681
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112658

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

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* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Marked
* Intestine Small, Jejunum		Carcinoma	
* Islets, Pancreatic		Adenoma	
* Kidney		Hyperplasia	Lymphoid, Mild
* Liver		Necrosis	Focal, Mild
* Lung		Congestion	Mild
		Hemorrhage	Minimal
[Congestion TGLs = 2-2]			
[Hemorrhage TGLs = 2-2]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1-21]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Intestine Small, Jejunum Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	294	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	653
		DOSE:	10 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112659

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular	* Trachea

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Kidney		Hyperplasia	Lymphoid, Mild
* Liver		Necrosis	Focal, Moderate
Note: Liver, necrosis more severe on slides 22 and 23.			
[Necrosis TGLs = 7-6, 8-22, 9-23, 10-24]			
* Ovary		Cyst	Mild
[Cyst TGLs = 2-7]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	Subcut Tiss	Fibrosarcoma	
	SOA	Hyperkeratosis	Mild
	SOA	Inflammation	Chronic, Minimal
[Fibrosarcoma TGLs = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLs = 5-6]			
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Urinary Bladder		Hyperplasia	Lymphoid, Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 3-7, 4-7]			

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	295	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112660

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Gallbladder			
Note: Gallbladder was located on slide # 6.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
		Necrosis	Focal, Mild
[Hepatocellular Adenoma TGLs = 7-25, 8-26, 10-28]			
[Mixed Cell Focus TGLs = 8-26, 9-27]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
Lymph Node	Mediastinal	Lymphoma Malignant	
	Iliac	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
		Lymphoma Malignant	
Note: TGL 1-21 Axillary lymph node			
[Lymphoma Malignant TGLs = 12-29]			
[Lymphoma Malignant TGLs = 6-24]			
[Lymphoma Malignant TGLs = 5-23]			
[Lymphoma Malignant TGLs = 1-21]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	295	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112660

ORGAN AND ACCOUNTABLE SITE STATUS

	[Lymphoma Malignant TGLs = 4-5]		
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLs = 2-22]		
* Pancreas		Lymphoma Malignant	
* Skin	SOA	Hyperplasia	Melanocyte, Minimal
	Note: Slide # 65 SOA Lesions included a serocellular exudate.		
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 3-6]		
* Thymus		Lymphoma Malignant	
* Uterus		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	296	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	711
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112661

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Rectum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

MISSING

* Adrenal Cortex	* Adrenal Medulla	* Thymus

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* Gallbladder	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum			

OBSERVATIONS

* Harderian Gland	Hyperplasia	Focal, Moderate
* Heart	Cardiomyopathy	Mild
* Kidney	Metaplasia	Osseous, Mild
	Nephropathy	Minimal
* Liver	Fibrosarcoma	Metastatic (Uncertain Primary Site)
* Lung	Alveolar/Bronchiolar Carcinoma	
	Infiltration Cellular	Histiocyte, Mild
[Alveolar/Bronchiolar Carcinoma TGLs = 11-2]		
* Lymph Node, Mesenteric	Fibrosarcoma	Metastatic (Uncertain Primary Site)
[Fibrosarcoma TGLs = 7-23]		
Mesentery	Fibrosarcoma	
Fat	Necrosis	Mild
[Fibrosarcoma TGLs = 1-21, 2-26, 3-22]		
[Necrosis TGLs = 3-22]		
* Ovary	Cyst	Mild
	Fibrosarcoma	
[Cyst TGLs = 5-7]		
Skeletal Muscle	Fibrosarcoma	Metastatic (Uncertain Primary Site)
[Fibrosarcoma TGLs = 9-24]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	296	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	711
		DOSE:	10 MG/KG	**DISP:**	Natural Death	**HISTO:**	112661

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Marked
	Lymph Follic	Hyperplasia	Mild
* Stomach, Glandular		Fibrosarcoma	
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
Tissue NOS		Fibrosarcoma	
[Fibrosarcoma TGLs = 10-25]			
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 6-7]			

PRIMARY CAUSE OF DEATH - Tissue NOS Fibrosarcoma
CONTRIBUTORY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	297	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112662

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
		Hyperplasia	Lymphoid, Mild
[Hepatocellular Adenoma TGLs = 4-21, 5-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Ovary		Cyst	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen	Lymph Follic	Hyperplasia	Mild
* Thymus		Lymphoma Malignant	
* Uterus		Hyperplasia	Cystic, Marked
		Polyp Stromal	

Note: TGL 3-7 This lesion was a single, markedly dilated gland.
[Hyperplasia TGLs = 1-7, 2-7, 3-7]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	298	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112663

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Lymphoma Malignant	
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hyperplasia	Lymphoid, Mild
[Eosinophilic Focus TGLs = 4-23]			
[Hepatocellular Adenoma TGLs = 3-22]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Hemorrhage	Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLs = 2-21]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
* Uterus		Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	299	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112664

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
	Capsule	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLs = 3-6, 4-6, 5-21]			
[Hepatocellular Carcinoma TGLs = 6-22, 7-23]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Ovary		Hemorrhage	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 8-1]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 1-7, 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	300	**TMT:**	4	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	10 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112665

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Marked
* Bone	Cranium	Fibrosis	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
Note: Nephropathy lesion included mild glomerular sclerosis (congo red negative).			
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLs = 4-21]			
* Lung		Hemorrhage	Moderate
	Alveolar Epith	Hyperplasia	Mild
* Ovary		Cyst	
[Cyst TGLs = 2,3-7]			
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
* Skin	SOA	Hyperplasia	Melanocyte, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
[Hematopoietic Cell Proliferation TGLs = 1-6]			
[Lymphoma Malignant TGLs = 1-6]			
* Thymus		Hemorrhage	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Marked
* Urinary Bladder		Hyperplasia	Lymphoid, Mild
* Uterus		Hyperplasia	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	301	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	12666

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Minimal
* Bone Marrow		Hemangiosarcoma	
* Harderian Gland		Adenoma	
[Adenoma TGLs = 11-12]			
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hypertrophy	Minimal
		Necrosis	Focal, Minimal
	Kupffer Cell	Pigmentation	Minimal
[Hepatocellular Adenoma TGLs = 7-25, 8-26, 9-27]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 6-24]			
* Pancreas		Fibrosis	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Skin		Edema	Marked
	Subcut Tiss	Hemangiosarcoma	
	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
[Edema TGLs = 1-21]			
[Hemangiosarcoma TGLs = 1-21]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	301	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	12666

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Marked
[Hemangiosarcoma TGLs = 3-22, 4-23]			
[Hematopoietic Cell Proliferation TGLs = 2-22, 2-23]			
* Stomach, Glandular		Cyst	Mild
* Thymus		Hemorrhage	Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 5-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	302	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	467
		DOSE:	30 MG/KG	**DISP:**	Natural Death	**HISTO:**	112667

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Heart
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Eye	Cornea	Hyperplasia	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Necrosis	Focal, Minimal
[Hepatocellular Adenoma TGLs = 2-21, 3-22]			
[Hepatocellular Carcinoma TGLs = 4-23]			
* Lung		Hemorrhage	Minimal
		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mandibular		Lymphoma Malignant	
* Skin	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Ulcer	Mild
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	302	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	467
		DOSE:	30 MG/KG	**DISP:**	Natural Death	**HISTO:**	112667

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	303	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112668

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Harderian Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Rib	Hemangiosarcoma	
[Hemangiosarcoma TGLs = 9-25]			
* Bone Marrow		Hemangiosarcoma	
* Heart		Cardiomyopathy	Mild
* Kidney		Hyperplasia	Lymphoid, Mild
		Infarct	Marked
		Nephropathy	Moderate
[Infarct TGLs = 4-26]			
* Liver		Hepatocellular Adenoma	
	Hepatocyte	Hypertrophy	Minimal
[Hepatocellular Adenoma TGLs = 6-22, 7-23]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Ovary		Hemorrhage	Minimal
* Skin		Edema	Marked
	Subcut Tiss	Hemangiosarcoma	
	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
		Inflammation	Chronic, Minimal

Note: TGL 1-21 included marked ulceration.
[Edema TGLs = 8-24]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	303	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112668

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemangiosarcoma TGLs = 1-21]			
* Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Marked
[Hemangiosarcoma TGLs = 2-6]			
[Hematopoietic Cell Proliferation TGLs = 2-6]			
* Thymus		Hemorrhage	Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 5-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	304	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112669

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Stomach, Forestomach	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Harderian Gland		Adenoma	
[Adenoma TGLs = 4-12]			
* Intestine Large, Cecum		Carcinoma	
[Carcinoma TGLs = 5-23]			
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
[Clear Cell Focus TGLs = 3-22]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLs = 6-2]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1-21]			
* Ovary		Cystadenoma	
* Pancreas		Atrophy	Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild
* Stomach, Glandular		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	304	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112669

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Hemorrhage	Minimal
* Urinary Bladder	Hyperplasia	Lymphoid, Mild
* Uterus	Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 2-7]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	305	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	688
		DOSE:	30 MG/KG	**DISP:**	Natural Death	**HISTO:**	112670

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Metaplasia	Osseous, Mild
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 4-6]			
* Ovary		Cystadenoma	
		Hemorrhage	Moderate
		Thrombosis	Marked
Note: Cyst adenoma in right ovary.			
[Hemorrhage TGLs = 1-21]			
[Thrombosis TGLs = 1-21]			
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Mast Cell Tumor Benign	
Note: Mast cell tumor-Slide # 65 was a small subepidermal lesion. Toluidine Blue positive.			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH	- Ovary	Thrombosis
CONTRIBUTORY CAUSE OF DEATH	- Ovary	Cystadenoma
	- Ovary	Hemorrhage

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	306	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112671

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 1-21, 2-22, 3-23, 4-6, 5-24]			
* Ovary		Cyst	Mild
		Hemorrhage	Moderate
[Cyst TGLs = 6-7]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Skin		Histiocytic Sarcoma	
	SOA	Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Minimal
Note: Histiocytic sarcoma observed on slide # 8.			
* Spleen		Hematopoietic Cell Proliferation	Marked
	Lymph Follic	Hyperplasia	Minimal
* Stomach, Glandular		Cyst	Mild
* Thymus		Hemorrhage	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
	Follicular Cel	Hyperplasia	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 7-7, 8-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	307	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	561
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
		Hematopoietic Cell Proliferation	Moderate
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Intestine Small, Jejunum		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 5-3]			
* Kidney	Renal Tubule	Dilatation	Focal, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Skin		Basal Cell Carcinoma	
	SOA	Erosion	Mild
	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Inflammation	Chronic, Mild

Note: TGL 1-21 (slide 1-21-1) This neoplasm has basal cell and squamous cell differentiation.
Note: TGL 6-65 SOA covered by serocellular exudate.
[Basal Cell Carcinoma TGLs = 1-21]
[Erosion TGLs = 6-65]
[Hyperplasia TGLs = 6-65]

* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLs = 3-6]			
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	307	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	561
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112672

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Skin Basal Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	308	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112673

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Glandular	* Thymus	* Trachea	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Kidney		Metaplasia	Osseous, Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 6-23, 7-6, 8-24, 9-25]			
Lymph Node		Ectasia	Marked
		Hemorrhage	Marked
[Ectasia TGLs = 3-21]			
[Hemorrhage TGLs = 3-21]			
* Lymph Node, Mesenteric		Ectasia	Moderate
[Ectasia TGLs = 4-5]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 5-22]			
* Ovary		Cyst	Mild
		Hemorrhage	Mild
[Cyst TGLs = 2-7]			
* Skin	SOA	Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Inflammation	Chronic, Minimal
		Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	308	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112673

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	309	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112674

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Harderian Gland		Fibrosis	Moderate
* Islets, Pancreatic		Adenoma	
Note: TGL 3-21 Lesion included marked hemorrhage.			
[Adenoma TGLs = 3-21]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Necrosis	Focal, Mild
[Hepatocellular Carcinoma TGLs = 4-22]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Mild
Note: Histiocytes contained intracytoplasmic eosinophilic crystals.			
[Alveolar/Bronchiolar Carcinoma TGLs = 5-2]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Hemorrhage	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Minimal
* Spleen		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	309	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112674

ORGAN AND ACCOUNTABLE SITE STATUS

	[Lymphoma Malignant TGLs = 2-6]		
* Uterus		Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	310	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112675

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Malignant	
* Bone Marrow		Infiltration Cellular	Histiocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Edema	Minimal
* Kidney		Infarct	Minimal
		Lymphoma Malignant	
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Lymphoma Malignant	
		Necrosis	Focal, Mild
[Hepatocellular Adenoma TGLs = 6-21]			
[Lymphoma Malignant TGLs = 5-6, 7-22]			
[Necrosis TGLs = 7-22]			
Lymph Node	Renal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLs = 8-23]			
* Lymph Node, Mandibular		Hyperplasia	Histiocytic, Moderate
		Hyperplasia	Lymphoid, Moderate
* Ovary		Cyst	Mild
		Hemorrhage	Mild
		Thrombosis	Moderate
[Cyst TGLs = 1-7]			
[Thrombosis TGLs = 1-7]			
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 4-6]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	310	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112675

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Cyst	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia	TGLs = 2-7, 3-7]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	311	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112676

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Harderian Gland		Inflammation	Chronic, Mild
* Kidney		Infarct	Moderate
		Lymphoma Malignant	
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 12-26]			
* Lung		Lymphoma Malignant	
Lymph Node		Ectasia	Moderate
	Deep Cervical	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Iliac	Lymphoma Malignant	
		Lymphoma Malignant	
	Renal	Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
		Lymphoma Malignant	
Note: TGL 2-21 Axillary lymph node			
[Ectasia TGLs = 6-23]			
[Lymphoma Malignant TGLs = 14-27]			
[Lymphoma Malignant TGLs = 13-3]			
[Lymphoma Malignant TGLs = 11-25]			
[Lymphoma Malignant TGLs = 2-21]			
[Lymphoma Malignant TGLs = 10-24]			
[Lymphoma Malignant TGLs = 8-7]			
[Lymphoma Malignant TGLs = 6-23]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 1-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	311	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112676

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 9-5]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 3-22]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Mild
* Ovary		Teratoma Benign	
Note: TGL 5-7 consisted of a squamous lined, keratin filled cyst surrounded by neural tissue.			
[Teratoma Benign TGLs = 5-7]			
* Pancreas		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Skin	SOA	Hyperkeratosis	Minimal
		Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Minimal
	Epidermis	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Mild
		Inflammation	Chronic, Minimal
[Hyperplasia TGLs = 15-65]			
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 7-6]			
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 4-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	312	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	725
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112677

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Eye	Optic Nerve	Lymphoma Malignant	
* Harderian Gland		Adenoma	
		Lymphoma Malignant	
[Adenoma TGLs = 11-12]			
* Heart		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Liver		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
[Hepatocellular Adenoma TGLs = 6-21, 7-22]			
* Lung		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Cyst	Mild
		Lymphoma Malignant	
[Cyst TGLs = 4-7]			
* Pancreas		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
* Skin	SOA	Hyperkeratosis	Moderate
	Epidermis, SOA	Hyperplasia	Moderate
	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Mild
	SOA	Lymphoma Malignant	
Note: TGL 12-65 SOA Lesions included a serocellular exudate.			
[Hyperkeratosis TGLs = 12-65]			
[Hyperplasia TGLs = 12-65]			
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 1-6]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	312	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	725
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112677

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Ulcer	Mild
[Hyperplasia TGLs = 13-4]			
* Stomach, Glandular		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
Tissue NOS		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 9-23]			
* Urinary Bladder		Lymphoma Malignant	
* Uterus		Hyperplasia	Cystic, Marked
		Lymphoma Malignant	
[Hyperplasia TGLs = 2-7]			

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	313	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112678

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Moderate
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: Hepatocellular adenoma-additional lesion on slide # 21.			
[Hepatocellular Adenoma TGLs = 3-21, 4-6, 5-6]			
[Hepatocellular Carcinoma TGLs = 3-21]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Ovary	Bilateral	Cystadenoma	
[Cystadenoma TGLs = 1-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	SOA	Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Inflammation	Chronic, Mild
* Thymus		Cyst	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Urinary Bladder		Leiomyosarcoma	
* Uterus		Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	314	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112679

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Intestine Small, Jejunum		Necrosis	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Necrosis	Focal, Mild
[Hepatocellular Adenoma TGLs = 3-22, 4-23]			
[Hepatocellular Carcinoma TGLs = 5-24]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 2-21]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	Subcut Tiss	Hemorrhage	Mild
	SOA	Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Minimal
		Inflammation	Chronic, Minimal
	Subcut Tiss	Necrosis	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Urinary Bladder		Hyperplasia	Lymphoid, Mild
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	315	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112680

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Mild
* Brain		Hemorrhage	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
Note: Hepatocellular adenoma-additional lesions on slide # 6.			
[Hepatocellular Adenoma TGLs = 4-22]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 3-21]			
* Ovary		Hemorrhage	Mild
* Skin	SOA	Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Inflammation	Chronic, Minimal
[Hyperplasia TGLs = 5-65]			
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLs = 1-7, 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	316	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea		

MISSING

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
Note: Hepatocellular adenoma-additional lesions on slide # 22.			
[Clear Cell Focus TGLs = 6-23]			
[Hepatocellular Adenoma TGLs = 5-22]			
* Lymph Node, Mesenteric		Atrophy	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 2-21, 3-7]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Hyperplasia	Melanocyte, Mild
	SOA	Inflammation	Chronic, Minimal
Note: Slide # 65 SOA Lesions included a serocellular exudate.			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	316	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112681

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLs = 1-6]			
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Urinary Bladder		Lymphoma Malignant	
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 4-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	317	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

INSUFFICIENT TISSUE

* Lung

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Mild
* Kidney		Infarct	Mild
		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	
		Mixed Cell Focus	
[Hepatocellular Carcinoma TGLs = 2-21]			
* Lung			
Note: The lungs were not inflated and were too collapsed to evaluate.			
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
	Lymph Follic	Hyperplasia	Mild
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	318	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	681
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112683

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	Vagina		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Brain		Hemorrhage	Minimal
* Intestine Small, Ileum		Dilatation	Marked
[Dilatation TGLs = 6-4]			
* Kidney		Hyperplasia	Lymphoid, Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLs = 10-24, 11-6]			
[Hepatocellular Carcinoma TGLs = 9-23]			
* Lung		Fibrosarcoma	Metastatic (Skin)
Lymph Node	Iliac	Ectasia	Mild
	Mediastinal	Fibrosarcoma	Metastatic (Skin)
Note: Renal lymph node-TGL 13, slide #25 NCL			
[Ectasia TGLs = 8-22]			
[Fibrosarcoma TGLs = 12-3]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 5-21]			
* Nose		Inflammation	Chronic, Mild
* Ovary		Cyst	Mild
		Hemorrhage	Mild
[Cyst TGLs = 3-7]			
* Salivary Glands		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	318	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	681
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112683

ORGAN AND ACCOUNTABLE SITE STATUS

		Hyperplasia	Lymphoid, Mild
* Skin		Fibrosarcoma	
	SOA	Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Mild
	SOA	Inflammation	Chronic, Minimal
Note: TGL 14-26 Mass contained myoxmatous (pale basophilic and lacy) areas and marked necrosis.			
[Fibrosarcoma TGLs = 14-26]			
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Urinary Bladder		Hyperplasia	Lymphoid, Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 2-7]			

PRIMARY CAUSE OF DEATH - Skin Fibrosarcoma

Animal Note: Slide #8 Tissue on slide included a section with numerous neutrophils, pale basophilic myxomatous material and keratin.

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	319	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112684

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLs = 3-10]			
* Bone	Femur	Fibro-Osseous Lesion	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLs = 4-6]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Ovary		Hemorrhage	Minimal
* Pancreas		Cyst	Mild
[Cyst TGLs = 2-7]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thymus		Hemorrhage	Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	320	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112685

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Minimal
* Brain		Hyperplasia	Lymphoid, Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hyperplasia	Lymphoid, Mild
[Hepatocellular Adenoma TGLs = 3-6, 4-23, 5-24]			
Lymph Node		Ectasia	Marked
[Ectasia TGLs = 1-21]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 2-22]			
* Pancreas		Cyst	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Minimal
Note: SLide # 65 SOA Lesions included a serocellular exudate.			
* Spleen	Lymph Follic	Hyperplasia	Mild
* Urinary Bladder		Hyperplasia	Lymphoid, Mild
* Uterus		Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	321	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	719
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112686

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Mild
	Capsule	Hyperplasia	Moderate
* Bone Marrow		Lymphoma Malignant	
* Harderian Gland		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Liver		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 7-6]		
* Lung		Lymphoma Malignant	
Lymph Node	Inguinal	Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
	Iliac	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Lumbar	Lymphoma Malignant	
	Deep Cervical	Lymphoma Malignant	
	Popliteal	Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 1-8]		
[Lymphoma Malignant	TGLs = 5-7]		
[Lymphoma Malignant	TGLs = 8-21]		
[Lymphoma Malignant	TGLs = 9-22]		
[Lymphoma Malignant	TGLs = 10-26]		
[Lymphoma Malignant	TGLs = 12-24]		
[Lymphoma Malignant	TGLs = 13-25]		
[Lymphoma Malignant	TGLs = 11-23]		
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 2-8]		
* Lymph Node, Mesenteric		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	321	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	719
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112686

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLs = 6-5]			
* Ovary		Lymphoma Malignant	
* Pancreas		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Salivary Glands		Lymphoma Malignant	
* Skin	SOA	Hyperplasia Lymphoma Malignant	Melanocyte, Minimal
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 4-6]			
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Urinary Bladder		Lymphoma Malignant	
* Uterus		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	322	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112687

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: Hepatocellular adenoma-additional lesion on slide # 6.			
[Eosinophilic Focus TGLs = 5-21]			
[Hepatocellular Adenoma TGLs = 4-21]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Ovary		Hemorrhage	Moderate
[Hemorrhage TGLs = 3-7]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Mild
* Stomach, Glandular		Cyst	Mild
* Thymus		Cyst	Mild
		Hemorrhage	Mild
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicle	Degeneration	Focal, Moderate
[Adenoma TGLs = 6-3]			
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 1-7, 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	323	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112688

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Gallbladder			
Note: Gall bladder located on slide # 24.			
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLs = 6-22, 7-25, 8-23]			
[Hepatocellular Carcinoma TGLs = 9-24]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 5-21]			
* Ovary		Thrombosis	Marked
[Thrombosis TGLs = 4-7]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
		Inflammation	Chronic, Minimal
[Hyperplasia TGLs = 1-65]			
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	324	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112689

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Trachea	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Hyperostosis	Mild
	Cranium	Osteopetrosis	Mild
* Eye	Cornea	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
* Harderian Gland		Adenoma	
		Carcinoma	
[Adenoma TGLs = 8-12]			
[Carcinoma TGLs = 8-12]			
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
Note: Hepatocellular adenoma-additional lesion on slide # 6.			
[Hepatocellular Adenoma TGLs = 5-22, 6-23]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLs = 7-24]			
Lymph Node		Ectasia	Marked
		Hemorrhage	Mild
[Ectasia TGLs = 4-21]			
[Hemorrhage TGLs = 4-21]			
* Ovary		Hemorrhage	Mild
	Interstit Cell	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Skin	SOA	Hyperkeratosis	Mild
		Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM: 324	**TMT:** 6	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 30 MG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 112689

ORGAN AND ACCOUNTABLE SITE STATUS

	SOA	Inflammation	Chronic, Mild
		Inflammation	Chronic, Minimal
	SOA	Ulcer	Minimal
[Hyperplasia TGLs = 9-65]			
* Spleen		Hematopoietic Cell Proliferation	Marked
	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild
[Hematopoietic Cell Proliferation TGLs = 3-6]			
[Hyperplasia TGLs = 3-6]			
* Stomach, Glandular		Cyst	Mild
* Thymus		Hemorrhage	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Urinary Bladder		Hyperplasia	Lymphoid, Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7, 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	325	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	676
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112690

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Skin	* Thyroid Gland
* Trachea	* Urinary Bladder		

INSUFFICIENT TISSUE

* Ovary

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Brain		Inflammation	Acute, Minimal
		Necrosis	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
[Adenoma TGLs = 2-7]			
* Kidney		Casts Protein	Minimal
	Papilla	Necrosis	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
Note: Hepatocellular adenoma slide #6.			
[Eosinophilic Focus TGLs = 3-21]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Edema	Marked
		Squamous Cell Papilloma	
		Ulcer	Moderate
* Stomach, Glandular		Edema	Moderate
* Thymus		Cyst	Mild
* Uterus		Hemorrhage	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	325	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	676
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112690

ORGAN AND ACCOUNTABLE SITE STATUS

Myometrium	Hypertrophy	Moderate
[Hemorrhage TGLs = 4-7]		
[Hypertrophy TGLs = 4-7]		

PRIMARY CAUSE OF DEATH - Stomach, Forestomach Ulcer
CONTRIBUTORY CAUSE OF DEATH - Brain Necrosis

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	326	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	714
		DOSE:	30 MG/KG	**DISP:**	Natural Death	**HISTO:**	112691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Small, Duodenum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Necrosis	Focal, Marked
[Hepatocellular Adenoma TGLs = 6-24]			
[Hepatocellular Carcinoma TGLs = 3-22, 4-23, 5-6]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: Metastatic hepatocellular carcinoma-intravascular tumor emboli.			
* Skin	SOA	Hyperplasia	Melanocyte, Minimal
* Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Marked
[Hemangiosarcoma TGLs = 2-21]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLs = 7-25]			
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	326	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	714
		DOSE:	30 MG/KG	**DISP:**	Natural Death	**HISTO:**	112691

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	327	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	697
		DOSE:	30 MG/KG	**DISP:**	Natural Death	**HISTO:**	112692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Stomach, Forestomach	* Stomach, Glandular	* Trachea

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Mild
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: TGL 5-22 Hepatocellular adenoma observed on slides # 6 and 22.			
[Hepatocellular Adenoma TGLs = 5-22]			
[Hepatocellular Carcinoma TGLs = 6-23]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
[Hepatocellular Carcinoma TGLs = 8-2, 9-2, 10-2, 11-2, 12-2, 13-2]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLs = 7-24]			
* Pancreas		Inflammation	Granulomatous, Chronic Active, Marked
[Inflammation TGLs = 1-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
		Lymphoma Malignant	
* Spleen	Lymph Follic	Hyperplasia	Moderate
[Hyperplasia TGLs = 3-6]			
* Thymus		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM: 327	**TMT:** 6	**SEX:** Female	**DAY ON TEST:** 697
	DOSE: 30 MG/KG	**DISP:** Natural Death	**HISTO:** 112692

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
Tissue NOS	Abdominal, Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLs = 2-21]			
* Urinary Bladder		Hyperplasia	Lymphoid, Mild
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Lung Hepatocellular Carcinoma Liver
- Pancreas Inflammation

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	328	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	557
		DOSE:	30 MG/KG	**DISP:**	Natural Death	**HISTO:**	112693

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Large, Jejunum	* Stomach, Glandular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
	Capsule	Hyperplasia	Mild
* Harderian Gland		Hyperplasia	Focal, Mild
* Heart		Mineralization	Mild
[Mineralization TGLs = 10-12]			
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Mild
		Lymphoma Malignant	
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Lymphoma Malignant	
		Necrosis	Focal, Mild
[Lymphoma Malignant TGLs = 7-6]			
* Lung		Lymphoma Malignant	
Note: Lung-Lymphoma, malignant-This was an early lesion.			
Lymph Node	Renal	Infiltration Cellular	Histiocyte, Marked
	Iliac	Infiltration Cellular	Histiocyte, Marked
[Infiltration Cellular TGLs = 8-22]			
[Infiltration Cellular TGLs = 6-21]			
* Skin	SOA	Hyperplasia	Melanocyte, Minimal
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 5-6]			
* Uterus		Hyperplasia	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	328	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	557
		DOSE:	30 MG/KG	**DISP:**	Natural Death	**HISTO:**	112693

ORGAN AND ACCOUNTABLE SITE STATUS

Lymphoma Malignant
Polyp Stromal

[Hyperplasia TGLs = 2-7]
[Lymphoma Malignant TGLs = 3-7, 4-23]
[Polyp Stromal TGLs = 3-7]

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	329	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112694

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hemangiosarcoma	
[Basophilic Focus TGLs = 6-24]			
[Eosinophilic Focus TGLs = 6-24]			
[Hemangiosarcoma TGLs = 5-23]			
* Lung		Hemorrhage	Minimal
Lymph Node		Ectasia	Marked
		Hemorrhage	Mild
[Ectasia TGLs = 3-21]			
[Hemorrhage TGLs = 3-21]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 4-22]			
* Ovary		Cyst	Mild
[Cyst TGLs = 1-7]			
* Pancreas		Metaplasia	Hepatocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Hyperplasia	Melanocyte, Mild
	SOA	Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	329	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112694

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Mild
* Thymus		Hemorrhage	Mild
* Uterus		Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 2-7]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	330	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112695

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Harderian Gland		Adenoma	
[Adenoma TGLs = 9-12]			
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLs = 6-24, 7-25]			
[Hepatocellular Carcinoma TGLs = 5-23]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Lymph Node, Mandibular		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1-21, 3-22]			
* Ovary		Hemorrhage	Mild
* Skin		Fibrosarcoma	
	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Minimal
Note: TGL 8-26 Lesion inlcuded marked ulceration, marked necrosis, moderate epithelial hyperplasia and a serocellular exudate.			
[Fibrosarcoma TGLs = 8-26]			
* Spleen		Hematopoietic Cell Proliferation	Marked
		Hyperplasia	Lymphoid, Moderate
[Hematopoietic Cell Proliferation TGLs = 4-6]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	330	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112695

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia	TGLs = 4-6]		
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia	TGLs = 2-7]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	331	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112696

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
	Capsule	Hyperplasia	Moderate
* Intestine Small, Ileum	Epithelium	Hyperplasia	Moderate
		Inflammation	Acute, Mild
[Hyperplasia TGLs = 4-4]			
[Inflammation TGLs = 4-4]			
* Kidney		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Mild
		Infarct	Moderate
	Kupffer Cell	Pigmentation	Mild
[Infarct TGLs = 6-22]			
Lymph Node	Iliac	Ectasia	Mild
	Iliac	Hemorrhage	Moderate
	Iliac	Hyperplasia	Lymphoid, Mild
[Ectasia TGLs = 5-21]			
[Hemorrhage TGLs = 5-21]			
[Hyperplasia TGLs = 5-21]			
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Mild
Mesentery			
Note: Marked chronic-acftive inflammation in mesenteric adipose tissue-slides # 4, 5.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	331	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112696

ORGAN AND ACCOUNTABLE SITE STATUS

Note: NO CORRELATING LESION TGL-7.
[Hyperplasia TGLs = 7-65]

* Spleen	Lymph Follic	Hyperplasia	Mild
[Hyperplasia TGLs = 3-6]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLs = 8-23]			
* Thyroid Gland	Follicle	Degeneration	Focal, Marked
	Follicular Cel	Hyperplasia	Focal, Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7, 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	332	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112697

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Harderian Gland		Hyperplasia	Focal, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple

Note: There are 2 distinct lesions on slides # 21 and 22. Additional lesions on slide # 6.
[Hepatocellular Adenoma TGLs = 4-21]
[Hepatocellular Carcinoma TGLs = 5-22]

Lymph Node
Note: Inguinal lymph node, slide # 8- lymphoma, malignant

* Ovary		Inflammation	Chronic, Marked
		Mineralization	Mild
		Thrombosis	Marked

[Inflammation TGLs = 2-23]
[Mineralization TGLs = 2-23]
[Thrombosis TGLs = 2-23]

* Pituitary Gland	Pars Distalis	Angiectasis	Marked

[Angiectasis TGLs = 6-1]

* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Moderate
	SOA	Hyperplasia	Melanocyte, Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
* Spleen		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	332	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112697

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLs = 3-6]

* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Urinary Bladder		Hyperplasia	Lymphoid, Mild
* Uterus		Hyperplasia	Cystic, Marked

[Hyperplasia TGLs = 1-7]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	333	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	465
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112698

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Brain		Compression	Moderate
[Compression TGLs = 2-1]			
* Kidney		Hyperplasia	Lymphoid, Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
* Pancreas		Hyperplasia	Lymphoid, Mild
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLs = 3-1]			
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Hyperplasia	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Brain Compression

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	334	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	704
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112699

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Harderian Gland		Hyperplasia	Focal, Mild
[Hyperplasia TGLs = 14-12]			
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Mild
Lymph Node	Mediastinal	Lymphoma Malignant	
		Lymphoma Malignant	
	Iliac	Lymphoma Malignant	
Note: TGL 10-23 Celiac lymph node.			
[Lymphoma Malignant TGLs = 13-25]			
[Lymphoma Malignant TGLs = 10-23]			
[Lymphoma Malignant TGLs = 7-22]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 5-21, 6-26, 11-24]			
* Ovary		Hemorrhage	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
	Pars Intermed	Hyperplasia	Focal, Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 4-6]			
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Uterus		Hyperplasia	Cystic, Marked
Note: TGL 2-7 more severe than TGL 3-7.			
[Hyperplasia TGLs = 2-7, 3-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	334	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	704
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112699

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	335	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112700

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hemorrhage	Mild
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 2-22, 3-23, 4-24, 5-25, 6-26, 7-27]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
Lymph Node		Ectasia	Marked
		Hemorrhage	Moderate
[Ectasia TGLs = 1-21]			
[Hemorrhage TGLs = 1-21]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLs = 8-28]			
* Ovary		Hemorrhage	Mild
* Skin	SOA	Hyperkeratosis	Moderate
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Minimal
Note: Slide # 65 SOA Lesions included a serocellular exudate.			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	335	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112700

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	336	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	577
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
Note: Adrenal cortex-cyst			
* Eye	Cornea	Hyperplasia	Mild
	Cornea	Inflammation	Chronic, Mild
* Harderian Gland		Carcinoma	
[Carcinoma TGLs = 5-12]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Necrosis	Focal, Mild
Note: Hepatocellular adenoma also observed on slide #6.			
[Hepatocellular Adenoma TGLs = 4-22]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Marked
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1-21]			
* Skin	SOA	Hyperkeratosis	Marked
	Epidermis, SOA	Hyperplasia	Marked
	SOA	Inflammation	Chronic, Marked
	SOA	Ulcer	Marked
[Hyperkeratosis TGLs = 6-65, 6-23]			
[Hyperplasia TGLs = 6-65, 6-23]			
[Ulcer TGLs = 6-65, 6-23]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thyroid Gland	Follicle	Degeneration	Focal, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	336	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	577
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112701

ORGAN AND ACCOUNTABLE SITE STATUS

	Inflammation	Chronic, Mild
* Uterus	Hyperplasia	Cystic, Mild
Note: TGL 3-7 more severe than TGL 2-7		
[Hyperplasia TGLs = 2-7, 3-7]		

PRIMARY CAUSE OF DEATH - Skin SOA Ulcer

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	337	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	668
		DOSE:	30 MG/KG	**DISP:**	Natural Death	**HISTO:**	112702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Nose
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Thymus
* Trachea			

MISSING

* Gallbladder	* Lymph Node, Mesenteric

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Ovary	* Pancreas
* Parathyroid Gland	* Spleen	* Stomach, Glandular	* Thyroid Gland
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Liver		Hepatocellular Carcinoma	
Note: TGL 3-6, 4-6 Lesion included marked hemorrhage and necrosis.			
[Hepatocellular Carcinoma TGLs = 3-6, 4-6]			
* Lung		Hemorrhage	Minimal
		Hepatocellular Carcinoma	Metastatic (Liver)
[Hemorrhage TGLs = 5-2, 6-2]			
[Hepatocellular Carcinoma TGLs = 5-2, 6-2]			
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 2-21]			
* Skin	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	338	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	688
		DOSE:	30 MG/KG	**DISP:**	Natural Death	**HISTO:**	112703

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Heart	* Intestine Large, Cecum
* Lymph Node, Mandibular	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Trachea	

MISSING

* Thymus

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Brain		Compression	Marked
[Compression TGLs = 11-1]			
* Harderian Gland		Hyperplasia	Focal, Moderate
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Necrosis	Focal, Minimal
[Clear Cell Focus TGLs = 4-21]			
[Hepatocellular Adenoma TGLs = 3-6]			
* Lung		Fibrosarcoma	Metastatic (Skin)
[Fibrosarcoma TGLs = 12-2, 13-2, 14-2, 15-2, 16-2, 17-2]			
* Lymph Node, Mesenteric		Atrophy	Mild
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland		Carcinoma	
Note: TGL 10-1 Mass composed of clusters of large polygonal cells intermixed with eosinophilic stroma-gangliocytoma			
[Carcinoma TGLs = 10-1]			
Skeletal Muscle		Fibrosarcoma	Metastatic (Skin)
[Fibrosarcoma TGLs = 5-22, 7-23]			
* Skin	Subcut Tiss	Fibrosarcoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM: 338	**TMT:** 6	**SEX:** Female	**DAY ON TEST:** 688
	DOSE: 30 MG/KG	**DISP:** Natural Death	**HISTO:** 112703

ORGAN AND ACCOUNTABLE SITE STATUS

	SOA	Hyperplasia	Melanocyte, Minimal
[Fibrosarcoma TGLs = 9-25]			
[Hyperplasia TGLs = 18-65]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLs = 19-26]			
* Stomach, Glandular		Cyst	Mild
		Ulcer	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
Tissue NOS		Fibrosarcoma	Metastatic (Skin)
[Fibrosarcoma TGLs = 8-24]			
* Urinary Bladder		Hyperplasia	Lymphoid, Mild
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 1-7]			

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma
CONTRIBUTORY CAUSE OF DEATH - Brain Compression
- Lung Fibrosarcoma Skin
- Pituitary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	339	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112704

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Harderian Gland		Inflammation	Chronic, Mild
* Kidney		Infarct	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 2-6, 3-21]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Skin	SOA	Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Inflammation	Chronic, Mild
Note: Slide # 65 SOA Lesions included serocellular exudate.			
* Spleen		Hematopoietic Cell Proliferation	Marked
	Lymph Follic	Hyperplasia	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	340	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112705

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Minimal
* Harderian Gland		Adenoma	
[Adenoma TGLs = 10-12]			
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Hepatocyte	Hypertrophy	Mild
		Karyomegaly	Mild
		Mixed Cell Focus	
		Necrosis	Focal, Mild
[Eosinophilic Focus TGLs = 6-25, 7-26]			
[Mixed Cell Focus TGLs = 5-24]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Skeletal Muscle		Fibrosarcoma	Metastatic (Uncertain Primary Site)
[Fibrosarcoma TGLs = 2-22,8-27]			
* Skin		Fibrosarcoma	
	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
		Hyperplasia	Melanocyte, Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Mild

Note: TGL 1-21 included marked ulceration, inflammation, and edema and hyperkeratosis and epithelial hyperplasia.
[Fibrosarcoma TGLs = 1-21]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	340	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112705

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 9-65]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
Tissue NOS		Fibrosarcoma	
[Fibrosarcoma TGLs = 3-23]			
* Uterus		Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 4-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	341	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	386
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112706

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mesenteric
* Thymus

INSUFFICIENT TISSUE

* Gallbladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Brain		Infiltration Cellular	Lipocyte, Mild
* Heart		Mineralization	Minimal
* Intestine Large, Cecum		Edema	Mild
* Intestine Large, Colon		Edema	Mild
* Kidney		Nephropathy	Marked
Note: Glomeruli distended and effaced by eosinphilic, hyalin, proteinaceous material. (Congo red negative)			
Lymph Node	Renal	Ectasia	Mild
[Ectasia TGLs = 3-22]			
* Mammary Gland		Hyperplasia	Minimal
* Spleen	Lymph Follic	Atrophy	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Mild

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	342	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112707

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

MISSING

* Gallbladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Harderian Gland		Inflammation	Chronic, Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
Note: Hepatocellular adenoma observed on slides # 21, 22, 23, 24, 25, and 26. [Hepatocellular Adenoma TGLs = 1-21, 2-22, 3-23, 4-24, 5-25, 6-26]			
* Lung		Alveolar/Bronchiolar Adenoma	
Note: Alveolar/bronchiolar adenoma observed on slide # 27. [Alveolar/Bronchiolar Adenoma TGLs = 7-27]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Mild
Note: Slide # 65 SOA Lesions included serocellular exudate.			
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Minimal
		Pigmentation	Mild
* Stomach, Glandular		Cyst	Mild
* Thymus		Hemorrhage	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	342	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112707

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	343	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112708

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Mild
* Harderian Gland		Hyperplasia	Focal, Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple

Note: Hepatocellular carcinoma observed on slides # 21 and 25.
Note: Hepatocellular adenoma observed on sldies # 22, 23, and 24.
[Eosinophilic Focus TGLs = 6-6]
[Hepatocellular Adenoma TGLs = 2-22, 3-23, 4-24]
[Hepatocellular Carcinoma TGLs = 1-21, 5-25]

* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal

Note: Metastatic hepatocellular carcinoma-intravascular tumor emboli.

* Ovary		Hemorrhage	Mild
* Pancreas		Hyperplasia	Lymphoid, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
		Hyperplasia	Melanocyte, Mild
	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	343	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112708

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Marked
	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Urinary Bladder		Hyperplasia	Lymphoid, Mild
* Uterus		Hyperplasia	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	344	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	716
		DOSE:	30 MG/KG	**DISP:**	Natural Death	**HISTO:**	112709

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Intestine Large, Cecum	* Intestine Large, Rectum
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Uterus		

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Brain		Lymphoma Malignant	
* Harderian Gland		Lymphoma Malignant	
* Heart		Mineralization	Minimal
* Kidney		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 10-5]		
* Liver		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 13-27,14-24,15-25,16-26,17-27,18-28,19-29, 20-33]		
* Lung		Lymphoma Malignant	
Lymph Node	Iliac	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
	Deep Cervical	Lymphoma Malignant	
		Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 22-31]		
[Lymphoma Malignant	TGLs = 21-30]		
[Lymphoma Malignant	TGLs = 24-32]		
[Lymphoma Malignant	TGLs = 2-8, 3-21, 4-22]		
[Lymphoma Malignant	TGLs = 23-3]		
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 1-8]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 8-5, 11-23]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	344	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	716
		DOSE:	30 MG/KG	**DISP:**	Natural Death	**HISTO:**	112709

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Lymphoma Malignant	
* Ovary	Lymphoma Malignant	
* Pancreas	Lymphoma Malignant	
	Mineralization	Mild
[Lymphoma Malignant TGLs = 7-7]		
[Mineralization TGLs = 7-7]		
* Skin	Lymphoma Malignant	
Note: Slide # 65 SOA Lesion included serocellular exudate.		
Note: Lymphoma malignant observed in adipose tissue surrounding mammary glands, salivary glands and clitoral glands.		
* Spleen	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 6-6, 12-6]		
* Stomach, Forestomach	Inflammation	Chronic, Mild
	Squamous Cell Papilloma	

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	345	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	648
		DOSE:	30 MG/KG	**DISP:**	Natural Death	**HISTO:**	112710

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Harderian Gland	* Heart	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Spleen		

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Marked
* Bone Marrow		Angiectasis	Moderate
* Kidney		Hyperplasia	Lymphoid, Mild
		Metaplasia	Osseous, Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLs = 2-21]			
* Lung		Congestion	Mild
* Lymph Node, Mandibular		Lymphoma Malignant	
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
* Stomach, Glandular		Mineralization	Minimal
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 1-7]			

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	346	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Hyperplasia	Lymphoid, Moderate
		Infarct	Mild
		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: Hepatocellular carcinoma observed on slide # 21.			
Note: Hepatocellular adenoma observed on slides # 6 and 22.			
[Hepatocellular Adenoma TGLs = 3-6, 5-22]			
[Hepatocellular Carcinoma TGLs = 4-21]			
* Salivary Glands		Hyperplasia	Lymphoid, Moderate
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Ulcer	Mild
Note: Ulceration and epithelial hyperplasia observed on slide # 23.			
[Hyperplasia TGLs = 6-23]			
[Ulcer TGLs = 6-23]			
* Stomach, Glandular		Cyst	Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	347	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112712

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Marked
* Bone	Femur	Fibro-Osseous Lesion	Minimal
* Brain		Hyperplasia	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	Hepatocyte	Hypertrophy	Mild

Note: Hepatocellular adenoma observed on slides # 6, 21, 22, and 25.
Note: No lesion observed on slide # 23.
[Hepatocellular Adenoma TGLs = 2-21, 3-6, 4-22, 8-25]

* Ovary		Hemorrhage	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

[Adenoma TGLs = 7-1]

* Skin	SOA	Hyperkeratosis	Minimal
		Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
	Epidermis	Hyperplasia	Mild
	SOA	Inflammation	Chronic, Mild
		Inflammation	Chronic, Minimal
	Pinna	Neural Crest Tumor	

Note: Neural crest tumor observed on slide # 24. Lesion included marked ulceration.
[Neural Crest Tumor TGLs = 6-24]

* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	347	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112712

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Erosion	Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	348	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112713

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
Note: Hepatocellular adenoma observed on slide # 6, 22, 23, 24, 25, 26, and 27.			
[Hepatocellular Adenoma TGLs = 3-22, 4-23, 5-24, 6-25, 7-26, 8-27]			
Mesentery	Fat	Necrosis	Minimal
Note: Mesentery adipose tissue-necrosis observed on slide # 21.			
[Necrosis TGLs = 1-21]			
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
* Thymus		Hemorrhage	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	349	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	624
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112714

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hepatocellular Carcinoma	Metastatic (Liver)
	Capsule	Hyperplasia	Mild
* Kidney		Hyperplasia	Lymphoid, Mild
* Liver		Bile Stasis	Moderate
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLs = 5-6, 3-21, 15-25]			
[Hepatocellular Carcinoma TGLs = 6-23]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
		Infiltration Cellular	Histiocyte, Moderate
Note: Histiocytes contained intracytoplasmic eosinophilic crystals.			
[Hepatocellular Carcinoma TGLs = 9-26, 10-27, 11-2, 12-2, 13-2, 14-2]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Minimal
* Thyroid Gland	Follicular Cel	Carcinoma	
	Follicular Cel	Hyperplasia	Moderate
[Carcinoma TGLs = 7-3]			
[Hyperplasia TGLs = 8-3]			
* Urinary Bladder		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	349	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	624
		DOSE:	30 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112714

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Lung Hepatocellular Carcinoma Liver

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	350	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112715

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Lymphoma Malignant	
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Lymphoma Malignant	
[Hepatocellular Adenoma TGLs = 3-21]			
* Lung		Lymphoma Malignant	
Lymph Node	Iliac	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 4-22]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Hemorrhage	Mild
		Thrombosis	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
* Salivary Glands		Lymphoma Malignant	
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 2-6]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
* Stomach, Glandular	Epithelium	Hyperplasia	Mild
Note: Hyperplasia-focal glands with disorganized, mildly pleomorphic, basophilic epithelial cells which were increased in number and had occassional mitotic figures.			
* Thymus		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	350	**TMT:**	6	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	30 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112715

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Urinary Bladder		Lymphoma Malignant	
* Uterus		Hyperplasia	Cystic, Marked
		Lymphoma Malignant	

[Hyperplasia TGLs = 1-7]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	351	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	379
		DOSE:	90 MG/KG	**DISP:**	Natural Death	**HISTO:**	112716

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland	* Thymus

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Stomach, Glandular	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
	Capsule	Hyperplasia	Moderate
* Kidney		Hyperplasia	Lymphoid, Mild
		Lymphoma Malignant	
* Liver		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 4-6]			
* Lung		Lymphoma Malignant	
Lymph Node		Lymphoma Malignant	
	Inguinal	Lymphoma Malignant	
Note: Slide #22- No organ note was entered on the IANR for this slide.			
[Lymphoma Malignant TGLs = 1-8, 1-21]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 2-8]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Skin	SOA	Hyperplasia	Melanocyte, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 3-6]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	351	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	379
		DOSE:	90 MG/KG	**DISP:**	Natural Death	**HISTO:**	112716

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Spleen	Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	352	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112717

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Eosinophilic Focus TGLs = 10-24]			
[Hepatocellular Adenoma TGLs = 5-21, 9-6]			
* Lymph Node, Mandibular		Atrophy	Moderate
* Ovary		Hemorrhage	Mild
[Hemorrhage TGLs = 8-7]			
* Pancreas		Atrophy	Marked
		Cyst	Mild
[Cyst TGLs = 2-23]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Moderate
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
		Inflammation	Chronic, Mild
[Hyperplasia TGLs = 7-65]			
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thymus		Cyst	Mild
		Hemorrhage	Mild
		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 6-3]			
* Thyroid Gland	Follicular Cel	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	352	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112717

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 3-7, 4-22]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	353	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112718

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Minimal
	Femur	Hyperostosis	Mild
* Brain		Hyperplasia	Lymphoid, Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma Lymphoma Malignant	
[Eosinophilic Focus TGLs = 3-6] [Hepatocellular Adenoma TGLs = 4-21] [Hepatocellular Carcinoma TGLs = 5-22]			
* Lymph Node, Mandibular		Ectasia Lymphoma Malignant	Mild
[Lymphoma Malignant TGLs = 1-8]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Pancreas		Cyst	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
* Spleen		Hematopoietic Cell Proliferation Lymphoma Malignant	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	353	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112718

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Hemorrhage	Minimal
		Lymphoma Malignant	
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	354	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	680
		DOSE:	90 MG/KG	**DISP:**	Natural Death	**HISTO:**	112719

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Trachea	

MISSING

Lymph Node

AUTO PRECLUDES DIAG.

* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lymph Node, Mesenteric
* Pancreas	* Pituitary Gland	* Spleen	* Stomach, Glandular
* Thyroid Gland	* Urinary Bladder		

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Lung		Histiocytic Sarcoma	
[Histiocytic Sarcoma	TGLs = 8-2]		
Pleura		Histiocytic Sarcoma	
[Histiocytic Sarcoma	TGLs = 5-22]		
Skeletal Muscle		Histiocytic Sarcoma	
[Histiocytic Sarcoma	TGLs = 3-21, 6-23]		
* Skin		Hyperplasia	Melanocyte, Mild
	SOA	Hyperplasia	Melanocyte, Moderate
	SOA	Inflammation	Chronic, Minimal
	SOA, Subcut Tiss	Metaplasia	Osseous, Mild
Note: TGL 7-24 also observed on slide # 8.			
[Hyperplasia	TGLs = 7-24]		
* Uterus		Hyperplasia	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	354	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	680
		DOSE:	90 MG/KG	**DISP:**	Natural Death	**HISTO:**	112719

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 1-7]

PRIMARY CAUSE OF DEATH - Skeletal Muscle Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	355	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	603
		DOSE:	90 MG/KG	**DISP:**	Natural Death	**HISTO:**	112720

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Heart
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Trachea	

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Pancreas	* Spleen	* Stomach, Glandular
* Thyroid Gland			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Kidney		Cyst	Mild
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 3-6]			
* Lung		Congestion	Mild
[Congestion TGLs = 5-2]			
* Ovary		Hemorrhage	Marked
		Thrombosis	Marked
[Hemorrhage TGLs = 2-7]			
[Thrombosis TGLs = 2-7]			
* Urinary Bladder		Hyperplasia	Lymphoid, Moderate
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7]			

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	356	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Brain		Hyperplasia	Lymphoid, Minimal
* Harderian Gland		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Minimal
* Liver		Eosinophilic Focus	
		Necrosis	Focal, Minimal
[Eosinophilic Focus TGLs = 4-22]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLs = 3-23]			
* Lymph Node, Mandibular		Atrophy	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1-21]			
* Skin	SOA	Hyperkeratosis	Mild
	SOA	Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Minimal
* Stomach, Glandular		Foreign Body	Minimal
		Inflammation	Acute, Minimal
Note: Hair shaft embedded in glandular mucosa was surrounded by neutrophils.			
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	356	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112721

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 2-7]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	357	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

INSUFFICIENT TISSUE

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Hyperostosis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLs = 2-21]			
* Ovary		Cyst	Mild
[Cyst TGLs = 1-7]			
* Skin	SOA	Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Mild
	SOA	Inflammation	Chronic, Mild
[Hyperplasia TGLs = 3-65]			
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Minimal
		Pigmentation	Mild
* Thymus		Hemorrhage	Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	358	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112723

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Minimal
* Clitoral Gland		Inflammation	Chronic, Moderate
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLs = 1-21]			
* Ovary		Cyst	Mild
		Hemorrhage	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
	Subcut Tiss	Schwannoma Malignant	
Note: Skin-slide # 65 SOA Lesions included a serocellular exudate.			
[Hyperplasia TGLs = 4-65]			
[Schwannoma Malignant TGLs = 3-22]			
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 2-6]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	359	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112724

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
[Eosinophilic Focus TGLs = 2-22]			
[Hepatocellular Adenoma TGLs = 1-21, 4-6]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 3-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	360	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112725

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Lymphoma Malignant	
		Nephropathy	Mild
* Liver		Lymphoma Malignant	
Lymph Node	Iliac	Lymphoma Malignant	
Note: Pancreatic lymph node-lymphoma, malignant.			
[Lymphoma Malignant TGLs = 6-22]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery		Hemangiosarcoma	
[Hemangiosarcoma TGLs = 2-21]			
* Pancreas		Atrophy	Marked
		Cyst	Mild
[Atrophy TGLs = 5-7]			
[Cyst TGLs = 4-7]			
* Skin	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 3-6]			
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	361	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112726

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone Marrow		Myelofibrosis	Mild
* Eye		Inflammation	Chronic, Mild
* Harderian Gland		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Marked
Note: Histiocytes contained intracytoplasmic eosinophilic crystals. [Alveolar/Bronchiolar Carcinoma TGLs = 3-2]			
Lymph Node		Ectasia	Moderate
[Ectasia TGLs = 2-21]			
* Ovary		Hemorrhage	Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	362	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112727

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Intestine Small, Jejunum		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 3-24]			
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Eosinophilic Focus TGLs = 8-23, 9-6]			
[Hepatocellular Adenoma TGLs = 6-6, 7-6]			
[Hepatocellular Carcinoma TGLs = 4-21, 5-22]			
* Ovary		Hemorrhage	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Marked
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Inflammation	Chronic, Mild
Note: Slide # 65 SOA Lesions included a serocellular exudate.			
[Hyperplasia TGLs = 10-65]			
* Spleen		Hematopoietic Cell Proliferation	Marked
	Lymph Follic	Hyperplasia	Minimal
[Hematopoietic Cell Proliferation TGLs = 2-6]			
[Hyperplasia TGLs = 2-6]			
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Urinary Bladder		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	362	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112727

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Hyperplasia	Cystic, Moderate
	Hyperplasia	Histiocytic, Marked

Note: TGL 11-25 Lesion included numerous multinucleated giant cells intermixed with large, vacuolated histiocytic type cells.
[Hyperplasia TGLs = 1-7]
[Hyperplasia TGLs = 11-25]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	363	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112728

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Clitoral Gland		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLs = 1-8]			
* Harderian Gland		Adenoma	
[Adenoma TGLs = 16-12]			
* Intestine Large, Rectum		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLs = 3-27]			
* Kidney		Nephropathy	Mild
* Liver		Histiocytic Sarcoma	
		Lymphoma Malignant	
[Histiocytic Sarcoma TGLs = 11-24, 12-6, 13-25, 14-26]			
Lymph Node	Iliac	Ectasia	Marked
	Iliac	Hemorrhage	Marked
	Iliac	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
[Ectasia TGLs = 9-22]			
[Hemorrhage TGLs = 9-22]			
[Lymphoma Malignant TGLs = 9-22]			
[Lymphoma Malignant TGLs = 10-23]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 2-21]			
* Lymph Node, Mesenteric		Atrophy	Mild
* Ovary		Hemorrhage	Moderate
[Hemorrhage TGLs = 5-7]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Erosion	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	363	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112728

ORGAN AND ACCOUNTABLE SITE STATUS

	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Inflammation	Chronic, Minimal
Note: Slide # 65 SOA Lesions included a serocellular exudate.			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLs = 8-6]			
* Thymus		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 15-3]			
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Histiocytic Sarcoma	
		Hyperplasia	Cystic, Marked
[Histiocytic Sarcoma TGLs = 4-28]			
[Hyperplasia TGLs = 6-7, 7-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	364	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112729

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone Marrow		Lymphoma Malignant	
* Brain		Inflammation	Chronic, Mild
		Necrosis	Focal, Mild
* Gallbladder		Lymphoma Malignant	
* Harderian Gland		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
[Hepatocellular Adenoma TGLs = 4-22, 5-23, 6-24]			
Lymph Node	Mediastinal	Lymphoma Malignant	
Note: pancreatic lymph node-slide # 7- Lymphoma malignant			
[Lymphoma Malignant TGLs = 7-25]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1-21]			
* Ovary		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
Skel Muscle			
Note: Skeletal muscle surrounding the thyroid gland slide # 3-mild degeneration.			
* Skin	SOA	Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	364	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112729

ORGAN AND ACCOUNTABLE SITE STATUS

	Epidermis, SOA	Hyperplasia	Mild
	SOA	Inflammation	Chronic, Mild
		Inflammation	Chronic, Minimal
Note: Slide # 65 SOA Lesions included a serocellular exudate.			
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 3-6]			
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM: 365	**TMT:** 8	**SEX:** Female	**DAY ON TEST:** 537
	DOSE: 90 MG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 112730

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Minimal
		Hypertrophy	Focal, Moderate
* Brain		Carcinoma	Metastatic (Pituitary Gland)
		Compression	Moderate
[Compression TGLs = 3-1]			
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Atrophy	Moderate
* Lymph Node, Mesenteric		Atrophy	Marked
* Mammary Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLs = 4-1]			
* Spleen	Lymph Follic	Atrophy	Marked
		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	366	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	725
		DOSE:	90 MG/KG	**DISP:**	Natural Death	**HISTO:**	112731

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Clitoral Gland	* Esophagus
* Harderian Gland	* Heart	* Kidney	* Lung
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Thyroid Gland	Tooth
* Trachea	* Urinary Bladder		

MISSING

* Islets, Pancreatic	* Pancreas

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Cranium	Osteopetrosis	Minimal
[Osteopetrosis TGLs = 14-28]			
* Brain		Metaplasia	Osseous, Mild
* Eye		Developmental Malformation	Mild
[Developmental Malformation TGLs = 13-30]			
* Intestine Small, Ileum		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 15-29]			
* Liver		Hepatocellular Adenoma Lymphoma Malignant	
[Hepatocellular Adenoma TGLs = 11-6]			
[Lymphoma Malignant TGLs = 6-22, 7-23, 8-24, 9-25, 10-26]			
Lymph Node	Iliac	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 12-27]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 4-21]			
* Ovary		Cyst	Mild
[Cyst TGLs = 5-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	366	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	725
		DOSE:	90 MG/KG	**DISP:**	Natural Death	**HISTO:**	112731

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	SOA	Hyperkeratosis	Moderate
	Epidermis, SOA	Hyperplasia	Moderate
	SOA	Hyperplasia	Melanocyte, Marked
	SOA	Inflammation	Chronic, Mild
Note: Slide # 65 SOA Lesions included a serocellular exudate.			
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 2-6]			
* Stomach, Glandular		Erosion	Mild
[Erosion TGLs = 16-31]			
* Thymus		Cyst	Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7]			

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	367	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Hyperostosis	Minimal
	Cranium	Osteopetrosis	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	Subcut Tiss	Fibrosarcoma	
	SOA	Hyperkeratosis	Mild
		Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Inflammation	Chronic, Mild
		Inflammation	Chronic, Minimal

Note: TGL 2-21 Lesion included marked ulceration, marked epithelial hyperplasia, and mild hyperkeratosis with a serocellular exudate.
Note: Slide # 65 SOA Lesion included a serocellular exudate.
[Fibrosarcoma TGLs = 2-21]

* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
* Thyroid Gland		Ultimobranchial Cyst	Mild
* Uterus		Hyperplasia	Cystic, Moderate

[Hyperplasia TGLs = 1-7]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	368	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	723
		DOSE:	90 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112733

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Brain		Necrosis	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 4-6]		
* Lung		Lymphoma Malignant	
Lymph Node	Iliac	Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 5-21]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Pancreas		Lymphoma Malignant	
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Mild
		Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Moderate
	SOA	Inflammation	Chronic, Mild
	SOA	Ulcer	Minimal
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 2-6]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Ulcer	Mild
* Stomach, Glandular		Cyst	Mild
* Thymus		Cyst	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Uterus		Hyperplasia	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	368	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	723
		DOSE:	90 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112733

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 1-7]

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	369	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112734

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Hyperostosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 11-6, 12-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
Lymph Node		Lymphoma Malignant	
	Iliac	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Bronchial	Lymphoma Malignant	
Note: TGL 1-21, 2-22 Axillary lymph node			
[Lymphoma Malignant TGLs = 1-21, 2-22]			
[Lymphoma Malignant TGLs = 6-23]			
[Lymphoma Malignant TGLs = 7-24]			
[Lymphoma Malignant TGLs = 9-3]			
[Lymphoma Malignant TGLs = 10-25]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 3-8]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 8-5]			
* Mammary Gland		Myoepithelioma	
[Myoepithelioma TGLs = 2-22]			
* Ovary		Hemorrhage	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
* Skin	SOA	Hyperkeratosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	369	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112734

ORGAN AND ACCOUNTABLE SITE STATUS

	SOA	Hyperplasia	Melanocyte, Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Mild
		Inflammation	Chronic, Minimal
Note: Slide # 65 SOA Lesions inlcuded a serocellular exudate.			
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 5-6]			
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLs = 4-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	370	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112735

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	
		Lymphoma Malignant	
		Necrosis	Focal, Mild
[Lymphoma Malignant TGLs = 6-6]			
* Lung		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
Mesentery		Hemorrhage	Mild
[Hemorrhage TGLs = 2-21]			
* Ovary		Cyst	Mild
[Cyst TGLs = 3-7]			
* Pituitary Gland		Lymphoma Malignant	
* Skin	SOA	Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Moderate
	Epidermis, SOA	Hyperplasia	Mild
	Epidermis	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Mild
		Inflammation	Chronic, Minimal
Note: Slide # 65 SOA Lesions included a serocellular exudate.			
[Hyperplasia TGLs = 1-65]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 5-6]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	370	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112735

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 4-7]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	371	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112736

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Hyperostosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Moderate
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Inflammation	Chronic, Mild
Note: Slide # 65 SOA Lesions included a serocellular exudate			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Minimal
		Lymphoma Malignant	
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLs = 2-21]			
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	372	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112737

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Clitoral Gland

INSUFFICIENT TISSUE

* Gallbladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Minimal
	Femur	Hyperostosis	Mild
* Kidney		Cyst	Mild
		Nephropathy	Minimal
* Liver		Necrosis	Focal, Mild
* Ovary		Cyst	Mild
		Hemorrhage	Minimal
[Cyst TGLs = 3-7]			
[Hemorrhage TGLs = 3-7]			
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Hyperplasia	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Ulcer	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	373	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112738

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Stomach, Glandular	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Harderian Gland		Cyst	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 6-6, 7-22, 8-23, 9-24]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLs = 10-2]			
* Lymph Node, Mandibular		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 3-21]			
* Ovary		Cyst	Mild
[Cyst TGLs = 1-7]			
* Pancreas		Atrophy	Marked
[Atrophy TGLs = 4-7]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Minimal
[Hyperplasia TGLs = 12-65]			
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 5-6]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Ulcer	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	373	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112738

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Lymphoma Malignant	
* Urinary Bladder	Hyperplasia	Lymphoid, Mild
* Uterus	Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 2-7]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	374	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	698
		DOSE:	90 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112739

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Brain		Gliosis	Minimal
Note: Slide # 1. (midbrain, hippocampus) Small focus mononuclear cells with brown intracytoplasmic pigment.			
* Eye	Cornea	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Necrosis	Focal, Minimal
[Hepatocellular Adenoma TGLs = 4-21, 5-6, 6-22]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mesenteric		Atrophy	Mild
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Intermed	Hypertrophy	Mild
* Skin	SOA	Hyperkeratosis	Marked
	Epidermis, SOA	Hyperplasia	Marked
	SOA	Hyperplasia	Melanocyte, Moderate
	SOA	Inflammation	Chronic, Moderate
	SOA	Ulcer	Marked
Note: TGL 1-65 Lesions covered by a serocellular exudate.			
[Hyperkeratosis TGLs = 1-65]			
[Hyperplasia TGLs = 1-65]			
[Hyperplasia TGLs = 1-65]			
[Inflammation TGLs = 1-65]			
[Ulcer TGLs = 1-65]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	374	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	698
		DOSE:	90 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112739

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia	TGLs = 3-6]		
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia	TGLs = 2-7]		

PRIMARY CAUSE OF DEATH - Skin SOA Ulcer

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	375	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112740

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Mild
* Bone	Femur	Fibro-Osseous Lesion	Minimal
	Cranium	Fibrosis	Moderate
* Kidney		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 2-5]			
* Liver		Hyperplasia	Lymphoid, Mild
Lymph Node	Renal	Lymphoma Malignant	
[Lymphoma Malignant TGLs = 3-21]			
* Ovary		Thrombosis	Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Mild
		Inflammation	Chronic, Minimal
	SOA	Ulcer	Marked
[Ulcer TGLs = 4-65]			
* Spleen		Lymphoma Malignant	
* Stomach, Glandular		Cyst	Mild
* Thymus		Hemorrhage	Minimal
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	376	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	653
		DOSE:	90 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112741

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Heart			
Note: Histiocytic sarcoma in adipose tissue overlying the heart.			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLs = 8-24]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Histiocytic Sarcoma	
[Alveolar/Bronchiolar Adenoma TGLs = 9-2]			
Lymph Node	Iliac	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLs = 10-25]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 6-22]			
* Ovary		Cyst	Mild
[Cyst TGLs = 4-7]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
Skeletal Muscle		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLs = 7-23]			
* Skin		Histiocytic Sarcoma	
	SOA	Hyperkeratosis	Mild
		Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	376	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	653
		DOSE:	90 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112741

ORGAN AND ACCOUNTABLE SITE STATUS

	SOA	Hyperplasia	Melanocyte, Moderate
	SOA	Inflammation	Chronic, Mild
Note: TGL 1-21, 1-21-1 Lesion included moderate ulceration of overlying epidermis.			
[Histiocytic Sarcoma TGLs = 1-21, 1-21-1]			
* Spleen		Hematopoietic Cell Proliferation	Marked
	Lymph Follic	Hyperplasia	Mild
[Hematopoietic Cell Proliferation TGLs = 3-6]			
[Hyperplasia TGLs = 3-6]			
* Thymus			
Note: Histiocytic sarcoma in adipose tissue surrounding the thymus.			
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 5-7]			

PRIMARY CAUSE OF DEATH - Skin Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	377	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLs = 2-21]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Ovary		Hemorrhage	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
Note: TGL 3-1 Lesion included marked angiectasis.			
[Adenoma TGLs = 3-1]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Spleen		Lymphoma Malignant	
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	378	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	653
		DOSE:	90 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112743

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone Marrow		Angiectasis	Mild
* Brain		Compression	Moderate
		Hemorrhage	Minimal
[Compression TGLs = 4-1]			
* Harderian Gland		Adenoma	
[Adenoma TGLs = 6-12]			
* Islets, Pancreatic		Angiectasis	Moderate
		Hyperplasia	Minimal
* Kidney		Cyst	Mild
* Liver		Basophilic Focus	
* Lymph Node, Mesenteric		Atrophy	Minimal
* Mammary Gland		Hyperplasia	Moderate
		Pigmentation	Mild
[Hyperplasia TGLs = 7-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 5-1]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
	Follicular Cel	Hyperplasia	Minimal
* Urinary Bladder		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	378	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	653
		DOSE:	90 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112743

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 2-7]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH - Brain Compression

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	379	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112744

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLs = 4-6]			
[Hepatocellular Carcinoma TGLs = 3-6]			
* Lymph Node, Mesenteric		Atrophy	Mild
* Ovary		Cyst	Mild
		Hemorrhage	Marked
[Cyst TGLs = 1-7]			
[Hemorrhage TGLs = 1-7]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Skin	SOA	Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Hyperplasia	Melanocyte, Mild
	SOA	Inflammation	Chronic, Mild
		Inflammation	Chronic, Minimal
Note: Slide # 65 SOA Lesions included a serocellular exudate.			
[Hyperplasia TGLs = 5-65]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	379	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112744

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLs = 2-7]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	380	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112745

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Infarct	Minimal
		Nephropathy	Mild
* Lung	Alveolar Epith	Hyperplasia	Marked
[Hyperplasia TGLs = 3-2]			
* Ovary		Hemorrhage	Minimal
* Skin	SOA	Hyperkeratosis	Minimal
		Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Moderate
	Epidermis, SOA	Hyperplasia	Minimal
	Epidermis	Hyperplasia	Mild
	SOA	Inflammation	Chronic, Minimal
		Inflammation	Chronic, Mild
[Hyperplasia TGLs = 1-65]			
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Stomach, Glandular		Cyst	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	381	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	655
		DOSE:	90 MG/KG	**DISP:**	Natural Death	**HISTO:**	112746

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Brain		Hemorrhage	Minimal
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
Note: TGL 5-22 Lesion included marked hemorrhage and necrosis. [Hepatocellular Adenoma TGLs = 3-21, 4-6] [Hepatocellular Carcinoma TGLs = 5-22]			
* Lung		Congestion	Mild
* Pancreas		Hyperplasia	Lymphoid, Mild
* Skin		Melanoma Benign	
[Melanoma Benign TGLs = 6-23]			
* Uterus		Hyperplasia	Cystic, Marked
Note: TGL 2-7 was more severe than TGL 1-7. [Hyperplasia TGLs = 1-7, 2-7]			

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	382	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112747

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 2-6, 5-6]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 4-22]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin		Fibrosarcoma	
		Hyperkeratosis	Mild
	Epidermis	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
Note: TGL 1-21 Lesion included marked ulceration, hyperkeratosis, epithelial hyperplasia, edema and a serocellular exudate.			
[Fibrosarcoma TGLs = 1-21]			
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thymus		Hemorrhage	Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Urinary Bladder		Hyperplasia	Lymphoid, Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 3-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	383	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112748

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Eosinophilic Focus TGLs = 11-6]			
[Hepatocellular Adenoma TGLs = 5-22, 6-23, 10-27]			
[Hepatocellular Carcinoma TGLs = 7-24, 8-25, 9-26]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery		Lymphoma Malignant	
	Fat	Necrosis	Mild
[Lymphoma Malignant TGLs = 3-21]			
[Necrosis TGLs = 3-21]			
* Skin	SOA	Hyperplasia	Melanocyte, Minimal
	Epidermis, SOA	Hyperplasia	Minimal
[Hyperplasia TGLs = 1-65]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
[Hematopoietic Cell Proliferation TGLs = 4-6]			
[Lymphoma Malignant TGLs = 4-6]			
* Thyroid Gland	Follicle	Degeneration	Focal, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	383	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112748

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder	Hyperplasia	Lymphoid, Mild
* Uterus	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 2-7]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	384	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112749

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Megakaryocyte, Moderate
Note: Hyperplasia, megakaryocytes, lesion included occassional mitotic figures.			
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLs = 1-6, 5-22]			
[Hepatocellular Carcinoma TGLs = 2-21]			
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLs = 6-2]			
* Ovary		Angiectasis	Moderate
		Thrombosis	Marked
[Angiectasis TGLs = 3-7]			
[Thrombosis TGLs = 3-7]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Hyperplasia	Melanocyte, Mild
	SOA	Inflammation	Chronic, Mild
		Inflammation	Chronic, Minimal
Note: Skin lesion observed on slide # 8 included a serocellular exudate.			
[Hyperplasia TGLs = 4-65]			
* Spleen		Hematopoietic Cell Proliferation	Marked
	Lymph Follic	Hyperplasia	Minimal
* Thymus		Hemorrhage	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	384	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112749

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	385	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112750

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Hemorrhage	Mild
		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
Lymph Node		Ectasia	Marked
		Fibrosis	Mild
		Hemorrhage	Moderate
[Ectasia TGLs = 2-21]			
[Fibrosis TGLs = 2-21]			
[Hemorrhage TGLs = 2-21]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	386	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112751

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
	Capsule	Hyperplasia	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone	Vertebra	Arthrosis	Moderate
	Femur	Fibro-Osseous Lesion	Mild
Note: TGL 2-22 Coccygeal vertebrae appeared to have been luxated and fixed (fibrosis) at an abnormal angle.			
[Arthrosis TGLs = 2-22]			
* Kidney		Nephropathy	Minimal
* Liver		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mandibular		Atrophy	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1-21]			
* Ovary		Cystadenoma	
[Cystadenoma TGLs = 3-7]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin		Histiocytic Sarcoma	
	SOA	Hyperkeratosis	Mild
		Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Moderate
	Epidermis	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Mild
		Inflammation	Chronic, Mild
Note: Histiocytic sarcoma-Slide # 8 (vaginal papilla).			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	386	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112751

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Slide # 65 SOA Lesions included a serocellular exudate.

* Spleen		Hematopoietic Cell Proliferation Lymphoma Malignant	Moderate
* Thymus		Hemorrhage Hyperplasia	Mild Lymphoid, Moderate
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
* Uterus		Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	387	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Stomach, Forestomach	* Thymus	* Thyroid Gland
Tongue	* Trachea		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Minimal
* Harderian Gland		Carcinoma	
		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: Hepatocellular adenoma-additional lesion on slide # 6.			
[Eosinophilic Focus TGLs = 4-22]			
[Hepatocellular Adenoma TGLs = 3-21, 5-23]			
* Ovary		Hemorrhage	Mild
* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	Epidermis, SOA	Hyperplasia	Minimal
* Spleen		Lymphoma Malignant	
* Stomach, Glandular		Mineralization	Minimal
* Urinary Bladder		Hyperplasia	Lymphoid, Mild
* Uterus		Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 1-7, 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	388	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112753

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	Oviduct
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: Hepatocellular adenoma-additional lesion on slide # 6.			
[Eosinophilic Focus TGLs = 4-21]			
[Hepatocellular Adenoma TGLs = 2-6]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Skin	SOA	Hyperkeratosis	Minimal
		Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Minimal
	Epidermis	Hyperplasia	Minimal
		Hyperplasia	Melanocyte, Minimal
	SOA	Inflammation	Chronic, Mild
		Inflammation	Chronic, Minimal
Note: Slide # 65 SOA Lesion included a serocellular exudate.			
[Hyperplasia TGLs = 3-65]			
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Mild
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	389	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	733
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112754

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
		Hypertrophy	Focal, Minimal
* Bone	Femur	Fibro-Osseous Lesion	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Mineralization	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 5-6, 6-22]			
* Lung		Hyperplasia	Lymphoid, Mild
Lymph Node		Ectasia	Marked
[Ectasia TGLs = 1-21]			
* Ovary		Cyst	Mild
[Cyst TGLs = 3-7]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Mild
	SOA	Inflammation	Chronic, Minimal
		Inflammation	Chronic, Minimal
Note: Slide # 65 SOA Lesions included a serocellular exudate.			
[Hyperplasia TGLs = 7-65]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 2-7, 4-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	390	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112755

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Compression	Mild
[Compression TGLs = 6-1]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLs = 3-6]			
[Eosinophilic Focus TGLs = 4-22]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLs = 5-23]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Mammary Gland		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Mild
Note: TGL 1-21 Lesion included marked chronic inflammation and fibrosis.			
[Necrosis TGLs = 1-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 7-1]			
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
* Stomach, Glandular		Mineralization	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	390	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112755

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Lymphoma Malignant	
* Uterus	Hyperplasia	Cystic, Mild
	Metaplasia	Osseous, Minimal

[Hyperplasia TGLs = 2-7]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	391	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112756

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Nose	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Brain		Hyperplasia	Lymphoid, Mild
* Harderian Gland		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 4-6]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Hemorrhage	Mild
* Pancreas		Lymphoma Malignant	
* Parathyroid Gland		Inflammation	Chronic, Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Moderate
	Epidermis, SOA	Hyperplasia	Minimal
	Epidermis	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
[Hyperplasia TGLs = 3-65]			
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 2-6]			
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	391	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112756

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	392	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112757

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLs = 3-21]			
* Ovary		Cyst	Mild
		Hemorrhage	Mild
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Mild
[Hyperplasia TGLs = 5-65]			
* Spleen	Lymph Follic	Hyperplasia	Minimal
		Pigmentation	Mild
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicle	Degeneration	Focal, Mild
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 1-7, 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	393	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	729
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112758

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Infarct	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
[Eosinophilic Focus TGLs = 5-23]			
[Hepatocellular Adenoma TGLs = 2-22]			
Lymph Node		Hemorrhage	Marked
[Hemorrhage TGLs = 1-21]			
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
		Inflammation	Chronic, Minimal
Note: Slide # 65 SOA Lesions included a serocellular exudate.			
[Hyperplasia TGLs = 3-65]			
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
* Thymus		Hemorrhage	Mild
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 4-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	394	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112759

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Harderian Gland		Adenoma	
[Adenoma TGLs = 10-12]			
* Kidney		Hyperplasia	Lymphoid, Mild
		Infarct	Moderate
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLs = 6-6]			
[Hepatocellular Carcinoma TGLs = 7-23, 8-24, 9-25]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 4-21, 5-22]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin		Hyperkeratosis	Minimal
	Epidermis	Hyperplasia	Minimal
	SOA	Hyperplasia	Melanocyte, Minimal
		Hyperplasia	Melanocyte, Minimal
		Inflammation	Chronic, Minimal
Note: Skin (slide # 8) Lesions included a serocellular exudate.			
[Hyperplasia TGLs = 1-65]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Mild
* Stomach, Forestomach		Ulcer	Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	394	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112759

ORGAN AND ACCOUNTABLE SITE STATUS

	Inflammation	Acute, Mild
* Uterus	Hemorrhage	Marked
	Hyperplasia	Cystic, Marked

[Hemorrhage TGLs = 3-7]
[Hyperplasia TGLs = 2-7, 3-7]

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	395	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	731
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112760

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
Spinal Cord	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Liver		Eosinophilic Focus	
[Eosinophilic Focus TGLs = 3-21]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Ovary		Hemorrhage	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
	SOA	Hyperplasia	Moderate
	Epidermis, SOA	Hyperplasia	Minimal
	SOA	Hyperplasia	Melanocyte, Moderate
	SOA	Inflammation	Chronic, Minimal
[Hyperplasia TGLs = 4-65]			
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Stomach, Glandular		Cyst	Mild
* Thymus		Hemorrhage	Minimal
* Uterus		Hyperplasia	Cystic, Mild
		Polyp Stromal	
[Hyperplasia TGLs = 1-7]			
[Polyp Stromal TGLs = 2-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	396	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	657
		DOSE:	90 MG/KG	**DISP:**	Natural Death	**HISTO:**	112761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Pituitary Gland	* Salivary Glands	* Spleen
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lymph Node, Mesenteric	* Stomach, Glandular	* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex		Histiocytic Sarcoma	
	Capsule	Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Liver		Hepatocellular Adenoma	
		Histiocytic Sarcoma	
		Lymphoma Malignant	
[Histiocytic Sarcoma TGLs = 4-6]			
Mesentery			
Note: Slides #4 and 10 Mesentery -histiocytic sarcoma.			
* Pancreas		Histiocytic Sarcoma	
		Lymphoma Malignant	
Skeletal Muscle		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLs = 6-21]			
* Skin		Edema	Mild
	SOA	Hyperplasia	Melanocyte, Mild
	SOA	Inflammation	Chronic, Minimal
[Edema TGLs = 1-8]			
[Hyperplasia TGLs = 5-65]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	396	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	657
		DOSE:	90 MG/KG	**DISP:**	Natural Death	**HISTO:**	112761

ORGAN AND ACCOUNTABLE SITE STATUS

	Ulcer	Mild
* Uterus	Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 2-7]		

PRIMARY CAUSE OF DEATH - Skeletal Muscle Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	397	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Moderate
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLs = 2-22]			
* Kidney		Metaplasia	Osseous, Mild
		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
		Hyperplasia	Lymphoid, Mild
		Lymphoma Malignant	
[Hepatocellular Adenoma TGLs = 3-21]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Lymph Node, Mesenteric		Atrophy	Mild
		Hemorrhage	Mild
* Ovary		Hemorrhage	Minimal
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Mild
		Hyperkeratosis	Mild
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Mild
	Epidermis	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
		Inflammation	Chronic, Minimal
Note: Skin Slide # 8 ventral abdomen. Lesions included a serocellular exudate.			
[Hyperplasia TGLs = 4-65]			
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	397	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112762

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLs = 1-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	398	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	681
		DOSE:	90 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Mild
	Capsule	Hyperplasia	Moderate
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Harderian Gland		Adenoma	
[Adenoma TGLs = 9-12]			
* Kidney		Hyperplasia	Lymphoid, Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
		Necrosis	Focal, Mild
[Hepatocellular Adenoma TGLs = 4-6, 5-21]			
[Necrosis TGLs = 6-22]			
* Lung		Fibrosis	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node		Hyperplasia	Lymphoid, Marked
Note: TGL 7-23 axillary lymph nodes.			
[Hyperplasia TGLs = 7-23]			
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Marked
		Hyperkeratosis	Mild
	Epidermis, SOA	Hyperplasia	Marked
	SOA	Hyperplasia	Melanocyte, Mild
	SOA	Inflammation	Chronic, Marked
		Inflammation	Chronic, Minimal
	SOA	Ulcer	Marked
[Hyperkeratosis TGLs = 8-65]			
[Hyperplasia TGLs = 8-65]			

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	398	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	681
		DOSE:	90 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112763

ORGAN AND ACCOUNTABLE SITE STATUS

	[Inflammation TGLs = 8-65]		
	[Ulcer TGLs = 8-65]		
* Spleen		Hematopoietic Cell Proliferation	Marked
	Lymph Follic	Hyperplasia	Moderate
	[Hematopoietic Cell Proliferation TGLs = 3-6]		
	[Hyperplasia TGLs = 3-6]		
* Thyroid Gland	Follicle	Degeneration	Focal, Moderate
	Follicular Cel	Hyperplasia	Mild
* Uterus		Hyperplasia	Cystic, Marked
Note: TGL 2-7 (marked) was more severe than TGL 1-7(mild).			
	[Hyperplasia TGLs = 1-7, 2-7]		

PRIMARY CAUSE OF DEATH - Skin SOA Ulcer

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	399	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112764

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

OBSERVATIONS

* Adrenal Cortex	Capsule	Hyperplasia	Mild
* Bone	Femur	Fibro-Osseous Lesion	Minimal
* Kidney		Hyperplasia	Lymphoid, Mild
		Metaplasia	Osseous, Marked
* Liver		Hyperplasia	Lymphoid, Mild
* Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Mild
Note: Histiocytes contained intracytoplasmic crystals.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1-21]			
* Ovary		Hemorrhage	Mild
* Salivary Glands		Hyperplasia	Lymphoid, Mild
* Skin	SOA	Hyperkeratosis	Minimal
		Hyperkeratosis	Minimal
	SOA	Hyperplasia	Melanocyte, Mild
	Epidermis, SOA	Hyperplasia	Minimal
	Epidermis	Hyperplasia	Minimal
	SOA	Inflammation	Chronic, Minimal
		Inflammation	Chronic, Minimal
[Hyperplasia TGLs = 3-65]			
* Spleen	Lymph Follic	Hyperplasia	Mild
* Thymus		Cyst	Mild
* Thyroid Gland	Follicle	Degeneration	Focal, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	399	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	732
		DOSE:	90 MG/KG	**DISP:**	Terminal Sacrifice	**HISTO:**	112764

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder	Hyperplasia	Lymphoid, Moderate
* Uterus	Hyperplasia	Cystic, Minimal
[Hyperplasia TGLs = 2-7]		

* PROTOCOL REQUIRED TISSUE

ANIMAL NUM:	400	**TMT:**	8	**SEX:**	Female	**DAY ON TEST:**	499
		DOSE:	90 MG/KG	**DISP:**	Moribund Sacrifice	**HISTO:**	112765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Minimal
	Capsule	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Hyperplasia	Lymphoid, Moderate
* Liver		Hepatocellular Adenoma	Multiple
		Hyperplasia	Lymphoid, Mild
[Hepatocellular Adenoma TGLs = 4-21]			
* Ovary		Hemorrhage	Mild
* Skin		Hyperkeratosis	Minimal
	SOA	Hyperkeratosis	Mild
	SOA	Inflammation	Chronic, Minimal
* Thyroid Gland	Follicle	Degeneration	Focal, Minimal
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 1-7]			

PRIMARY CAUSE OF DEATH - Uterus Hyperplasia

*** END OF REPORT ***

* PROTOCOL REQUIRED TISSUE