C Number:	C03372
Lock Date:	Not Entered.
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	02/13/1989

ANIMAL ID: 1001	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 283
	DOSE: 0 PPM 0-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea			

OBSERVATIONS

Kidney		Hydronephrosis	Mild
Note: HYDRONEPHROSIS TGLs = 5-1			
Liver		Basophilic Focus	
Note: [BASOPH FOCUS] TGLs = 1-1			
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Inflammation	Suppurative, Mild
Note: INFLAMMATION TGLs = 3,4-7			
Spleen		Depletion Lymphoid	Moderate
Urethra		Inflammation	Suppurative, Mild
Urinary Bladder		Dilatation	Moderate
Note: DILATATION TGLs = 2-4			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND DUE TO UROGENITAL INFLAMMATION.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1002	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 302
	DOSE: 0 PPM 0-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lymph Node
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea			

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Heart		Bacterium	Acute, Multiple, Marked
	Valve	Inflammation	Suppurative, Mild
Kidney	Renal Tubule	Necrosis	Mild
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Thymus		Necrosis	Diffuse, Moderate
Urinary Bladder		Dilatation	Minimal
Note: DILATATION TGLs = 1-4			

PRIMARY CAUSE OF DEATH -

Animal Note: COD: BACTERIAL VALVULAR ENDOCARDITIS.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1003	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-8			
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 2-7			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1004	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Liver
Lung	Lymph Node	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7+8			
Kidney		Nephropathy	Chronic, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1005	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 281
	DOSE: 0 PPM 0-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	
Kidney	Pelvis	Inflammation	Suppurative, Minimal
		Nephropathy	Chronic, Mild
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Spleen		Depletion Lymphoid	Minimal
Testes	Seminif Tub	Degeneration	Mild
Urinary Bladder		Inflammation	Chronic Active, Moderate
		Mineralization	Moderate
Note: MINERALIZATION TGLs = 1-4+6			
Note: INFLAMMATION TGLs = 1-4+6			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND DUE TO URINARY INFLAMMATION.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1006	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 184
	DOSE: 0 PPM 0-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Kidney	Liver	Lung	Lymph Node
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea		

OBSERVATIONS

Kidney			
Note: PALE KIDNEYS NORMAL ON MICRO.			
Lymph Node			
Note: ENLARGED LUMBAR LN WITHIN NORMAL LIMITS ON MICRO.			
Note: MANDIBULAR LN NORMAL.			
Prostate		Inflammation	Suppurative, Moderate
Seminal Vesicle		Dilatation	Mild
Note: DILATATION TGLs = 4-7			
Skin	Subcut Tiss	Inflammation	Acute, Moderate
Note: INFLAMMATION TGLs = 2-7			
Spleen		Depletion Lymphoid	Moderate
Urinary Bladder		Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 3-4			

PRIMARY CAUSE OF DEATH -

Animal Note: COD: UROGENITAL INFLAMMATION.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1007	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Eosinophilic Focus	
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Note: HYPERPLASIA TGLs = 2-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL LYMP TGLs = 1-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1008	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 311
	DOSE: 0 PPM 0-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Heart	Intestine Large - Colon
Lymph Node	Nose	Pituitary Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Testes
Thyroid Gland	Trachea	Urinary Bladder	
MISSING			
Parathyroid Gland	Thymus		
AUTO PRECLUDES DIAG.			
Bone Marrow	Gallbladder	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Pancreas	Spleen
Stomach - Glandular			
OBSERVATIONS			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Note: RED RT LUNG DUE TO POSTMORTEM HYPOSTATIC CONGESTION.			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Spleen			
Note: PM AUTOLYSIS PRECLUDED INTERPRETATION OF SMALL SPLEEN.			
PRIMARY CAUSE OF DEATH	-		
Animal Note: COD: UNDETERMINED.			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1009	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Minimal
Note: WHITE FOCUS ON CAPSULE WAS PROBABLY FAT.			
Liver		Basophilic Focus	
Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Inflammation	Chronic Active, Mild
Note: [ALV BRON ADEN] TGLs = 1-2			
Salivary Glands		Inflammation	Acute, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1010	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - 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	Liver
Lymph Node	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		
MISSING			
Thymus			
OBSERVATIONS			
Adrenal Gland	Cortex	Hyperplasia	Minimal
	Cortex	Hypertrophy	Minimal
Kidney		Nephropathy	Chronic, Minimal
Lung	Peribronchiolr	Inflammation	Chronic Active, Moderate
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Salivary Glands	Acinus	Atrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1011	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 520
	DOSE: 0 PPM 0-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		
MISSING			
Gallbladder	Thymus		
AUTO PRECLUDES DIAG.			
Intestine Large - Cecum	Intestine Small - Ileum		
OBSERVATIONS			
Adrenal Gland	Cortex	Hyperplasia	Minimal
Heart		Mineralization	Minimal
Liver		Hepatocellular Carcinoma	
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 1-7			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Nose	Mucosa	Inflammation	Acute, Mild
PRIMARY CAUSE OF DEATH	-		
Animal Note: COD: HEPATOCELLULAR CARCINOMA			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1012	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 178
	DOSE: 0 PPM 0-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Colon	Intestine Large - Rectum	Liver	Lymph Node
Nose	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea		

MISSING

Thymus

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Pancreas	

OBSERVATIONS

Kidney	Pelvis	Bacterium	Mild
	Pelvis	Inflammation	Suppurative, Mild
Lung	Peribronchiolr	Inflammation	Chronic Active, Moderate
		Metaplasia	Squamous, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Prostate		Inflammation	Suppurative, Moderate
Spleen		Depletion Lymphoid	Mild
Urethra		Inflammation	Suppurative, Mild
Urinary Bladder		Inflammation	Chronic Active, Moderate
		Mineralization	Mild
Note: INFLAMMATION TGLs = 1-4			
Note: MINERALIZATION TGLs = 1-4			

PRIMARY CAUSE OF DEATH -

Animal Note: COD: UROGENITAL INFLAMMATION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1013	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Gallbladder

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Carcinoma	
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 1-8			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Moderate
	Mesenteric	Thrombosis	
Note: HEMA CELL PROL TGLs = 2-7			
Note: MANDIBULAR LN NORMAL.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1014	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Gallbladder

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Hemangiosarcoma	Multiple
		Hepatocellular Carcinoma	
		Infarct	Moderate
Note: HEMANGIOSARC TGLs = 2-1			
Note: HEPATOCLR CARC TGLs = 1-7			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1015	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 1-7			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Alveolar Epith	Hyperplasia	Minimal
	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1016	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 662
	DOSE: 0 PPM 0-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Nose	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Infarct	Moderate
Note: INFARCT TGLs = 2-1			
Lung	Peribronchiolr	Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 3-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pancreas	Acinus	Atrophy	Marked
	Duct	Cyst	Marked
Note: ECTASIA TGLs = 1-7			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND DUE TO PANCREATIC & LUNG LESIONS.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1017	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 705
	DOSE: 0 PPM 0-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Minimal
Lung	Alveolar Epith	Hyperplasia	Mild
	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
Note: MANDIBULAR LN NORMAL.			
Note: HEMA CELL PROL TGLs = 2-8			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-7			
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 3-1			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND DUE TO SUBCUTANEOUS FIBROSARCOMA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1018	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 566
	DOSE: 0 PPM 0-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Kidney	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea		

MISSING

Lymph Node	Thymus

INSUFFICIENT TISSUE

Pituitary Gland	Urinary Bladder

OBSERVATIONS

Bone Marrow	Femoral	Hyperplasia	Neutrophil, Marked
Note: HYPERPLASIA ALSO IN MARROW OF SKULL BUT CAN'T CODE SITE.			
Intestine Small	Jejunum	Inflammation	Chronic Active, Marked
	Jejunum	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2,3-7			
Liver		Hematopoietic Cell Proliferation	Mild
Lung	Peribronchiolr	Inflammation	Chronic Active, Moderate
Mesentery		Inflammation	Chronic Active, Moderate
Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant Lymphocytic	
Note: HEMA CELL PROL TGLs = 1-1			
[Lymphoma Malignant Lymphocytic TGLS = 1-1]			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND DUE TO LYMPHOMA & INFLAMMATION OF INTESTINE.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1019	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Liver	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Brain		Lymphoma Malignant Mixed	
Intestine Small	Jejunum	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-8			
Kidney		Nephropathy	Chronic, Minimal
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Note: NO MANDIBULAR LN.			
Note: LYMPH MAL MIXD TGLs = 2-7			
Nose		Lymphoma Malignant Mixed	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1020	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Kidney
Lymph Node	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Liver		Hepatocellular Carcinoma	
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 2-7			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Moderate
Note: DILATATION TGLs = 1-8			
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Inflammation	Acute, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1021	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 656
	DOSE: 0 PPM 0-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Spleen	Stomach	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Small - Duodenum	Thymus

OBSERVATIONS

Bone	Tarsal	Hyperostosis
Note: HYPEROSTOSIS TGLs = 2-8		
Lymph Node		
Note: MANDIBULAR LN NORMAL.		
Skin	Subcut Tiss	Sarcoma
Note: SARCOMA TGLs = 1-7		

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND DUE TO SUBCUT SARCOMA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1022	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-7+8			
Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
		Inflammation	Chronic Active, Mild
Note: HEPATOCLR CARC TGLs = 1-1+9			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Intermed	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1023	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Lung	Lymph Node	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Cortex	Hypertrophy	Minimal
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7			
Gallbladder		Inflammation	Chronic Active, Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 2,3-1			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1024	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 672
	DOSE: 0 PPM 0-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Pituitary Gland	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-8+9			
Brain		Lymphoma Malignant Undifferentiated Cell Type	
Gallbladder		Lymphoma Malignant Undifferentiated Cell Type	
Heart		Lymphoma Malignant Undifferentiated Cell Type	
Intestine Large	Rectum	Lymphoma Malignant Undifferentiated Cell Type	
Intestine Small	Jejunum	Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 8-4			
Islets, Pancreatic		Lymphoma Malignant Undifferentiated Cell Type	
Kidney		Lymphoma Malignant Undifferentiated Cell Type	
Liver		Fatty Change	Focal, Moderate
		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 7-1+10			
Lung		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Lumbar	Lymphoma Malignant Undifferentiated Cell Type	
	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
	Mediastinal	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
	Renal	Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 3,4,5,6-1+6+7+11			
Mesentery		Lymphoma Malignant Undifferentiated Cell Type	
Nose		Lymphoma Malignant Undifferentiated Cell Type	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1024	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 672
	DOSE: 0 PPM 0-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas		Lymphoma Malignant Undifferentiated Cell Type	
Seminal Vesicle		Lymphoma Malignant Undifferentiated Cell Type	
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Testes		Lymphoma Malignant Undifferentiated Cell Type	
Tooth	Peridont Tiss	Inflammation	Suppurative, Mild
	Pulp	Lymphoma Malignant Undifferentiated Cell Type	

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND & FLUID IN CAVITIES DUE TO LYMPHOMA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1025	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Liver	Lung
Lymph Node	Nose	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-9+10			
Kidney		Nephropathy	Chronic, Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pancreas	Acinus	Atrophy	Minimal
Seminal Vesicle		Dilatation	Moderate
Note: DILATATION TGLs = 3-8			
Skin	Subcut Tiss	Fibrosis	Mild
Note: SKIN OF PREPUCE WAS NORMAL ON MICRO; NO NODULE PRESENT.			
Spleen		Hemangiosarcoma	
[Hemangiosarcoma TGLS = 4-1]			
Tooth	Incisor, Upper	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1026	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 20
	DOSE: 0 PPM 0-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Colon	Intestine Large - Rectum	Islets, Pancreatic	Kidney
Liver	Lymph Node	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		
MISSING			
Intestine Large - Cecum	Intestine Small - Ileum	Thymus	
AUTO PRECLUDES DIAG.			
Gallbladder	Intestine Small - Duodenum	Intestine Small - Jejunum	
INSUFFICIENT TISSUE			
Pituitary Gland			
OBSERVATIONS			
Lung	Peribronchiolr	Inflammation	Chronic Active, Moderate
Note: VIRAL INFECTION, POSSIBLY SENDAI, IS SUSPECTED.			
Note: OTHER MICE IN THIS DOSE GROUP, BUT WAS CODED THE SAME.			
Note: THIS IS SOMEWHAT MORE ACUTE VERSION OF LESION SEEN IN			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Nose	Mucosa	Inflammation	Acute, Moderate
PRIMARY CAUSE OF DEATH	-		
Animal Note: COD: INFLAMMATION IN LUNGS & NOSE.			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1027	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Gallbladder	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
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Epididymis

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-9+10			
Brain		Infarct	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Infarct	Moderate
		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-1+7]			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC TGLs = 4-2			
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 5-8			
Note: MANDIBULAR LN NORMAL.			
Mesentery		Angiectasis	Marked
Spleen			
Note: ENLARGED SPLEEN WITHIN NORMAL LIMITS ON MICRO.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1028	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney
Liver	Lymph Node	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-8			
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: ENLARGED CERVICAL LNS WITHIN NORMAL LIMITS ON MICRO.			
Note: MANDIBULAR LN NORMAL.			
Thyroid Gland	Follicular Cel	Carcinoma	
Note: CARCINOMA TGLs = 2-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1029	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 666
	DOSE: 0 PPM 0-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Small - Duodenum	Islets, Pancreatic	Kidney
Lung	Lymph Node	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Intestine Small - Ileum	Pituitary Gland	Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Jejunum

OBSERVATIONS

Harderian Gland		Adenoma	
Intestine Large	Colon	Parasite Metazoan	
Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 1-7			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			

PRIMARY CAUSE OF DEATH -

Animal Note: COD: HEPATOCELLULAR CARCINOMAS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1030	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Liver
Nose	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-8+9			
Kidney		Nephropathy	Chronic, Minimal
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Note: INFLAMMATION TGLs = 2-2			
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 3-7			
Note: NO MANDIBULAR LN.			
Pancreas	Acinus	Atrophy	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1031	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 565
	DOSE: 0 PPM 0-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Islets, Pancreatic	Kidney
Lung	Lymph Node	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Pituitary Gland	Thymus

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	
Liver		Hemangiosarcoma	
		Infarct	Moderate
Note: HEMANGIOSARC TGLs = 2-1			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Skin	Subcut Tiss	Sarcoma	
Note: [SARCOMA] TGLs = 1-7			

PRIMARY CAUSE OF DEATH	-

Animal Note: COD: SUBQ SARCOMA & HEPATIC HEMANGIOSARCOMA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1032	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	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
Liver	Lung	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-8+9			
Harderian Gl			
Note: ENLARGED HARDERIAN WITHIN NORMAL LIMITS ON MICRO;RECUT.			
Kidney		Nephropathy	Chronic, Minimal
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 3-7			
Note: MANDIBULAR LN NORMAL.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1033	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Epididymis	Esophagus
Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Blood		Lymphoma Malignant Lymphocytic	
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7+8			
Bone Marrow	Femoral	Lymphoma Malignant Lymphocytic	
Heart		Lymphoma Malignant Lymphocytic	
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Mild
Note: HEPATOCLR ADEN TGLs = 3-11			
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 4-10			
Note: MANDIBULAR LN NORMAL.			
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-9			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1034	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Liver	Lymph Node
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-7+8			
Kidney		Nephropathy	Chronic, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Inflammation	Chronic Active, Mild
Note: INFLAMMATION TGLs = 3-2			
Note: [ALV BRON ADEN] TGLs = 3-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 1-9			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1035	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 630
	DOSE: 0 PPM 0-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 3-7+8			
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 1,2-1+9			
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Minimal
Note: HEMA CELL PROL TGLs = 4-9			
Note: MANDIBULAR LN NORMAL.			
Pancreas	Acinus	Focal Cellular Change	

PRIMARY CAUSE OF DEATH -

Animal Note: COD: HEPATOCELLULAR NEOPLASIA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1036	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Moderate
	Medulla	Pheochromocytoma Benign	
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-10+11			
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
		Inflammation	Chronic Active, Mild
Note: HEPATOCLR ADEN TGLs = 2-8			
[Inflammation TGLS = 2-1+7]			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 3-9			
Note: MANDIBULAR LN NORMAL.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1037	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Liver	Nose	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-8+9			
Epididymis		Lymphoma Malignant Lymphocytic	
Intestine Small	Jejunum	Lymphoma Malignant Lymphocytic	
Kidney		Nephropathy	Chronic, Minimal
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: HEMA CELL PROL TGLs = 3-7			
Note: LYMPH MAL LYMP TGLs = 3-4+7			
Note: MANDIBULAR LN NORMAL.			
Mesentery		Lymphoma Malignant Lymphocytic	
Pancreas	Acinus	Atrophy	Mild
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-1			
Tooth	Incisor, Upper	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1038	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1,2-1			
Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Inflammation	Chronic Active, Minimal
Note: ALV BRON ADEN TGLs = 3-7			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Skin		Parasite External	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1039	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Spindle Cell, Subcapsular	Adenoma	
Intestine Large	Rectum	Squamous Cell Carcinoma	
Note: [SQUAM CEL CARC] TGLs = 8-10			
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 3-1]			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 1-2			
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
	Lumbar	Lymphoma Malignant Histiocytic	
	Mandibular	Lymphoma Malignant Histiocytic	
	Mesenteric	Lymphoma Malignant Histiocytic	
	Renal	Lymphoma Malignant Histiocytic	
Note: MANDIBULAR LN NORMAL.			
Note: LYMPH MAL HIST TGLs = 4,5,6,7-6+7+8+9			
Spleen		Lymphoma Malignant Histiocytic	
[Lymphoma Malignant Histiocytic TGLS = 2-1]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1040	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-9+10			
Harderian Gland		Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
		Infarct	Moderate
Note: HEPATOCLR ADEN TGLs = 5-7			
Note: INFARCT TGLs = 5-7			
Lung	Peribronchiolr	Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 3-2+8			
Mesentery			
Note: MESENTERY NODULE WAS ACTUALLY LIVER.			
Pancreas			
Note: "NODULE" IN PANCREAS NOT SEEN AT TRIM OR ON MICRO.			
Pharynx		Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 2-11			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1041	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 618
	DOSE: 0 PPM 0-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Kidney	Nephropathy	Chronic, Minimal
Liver	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	

Note: HEPATOCLR ADEN TGLs = 1,2-1+7
[Hepatocellular Adenoma TGLS = 1-7]

Lymph Node

Note: MANDIBULAR LN NORMAL.

PRIMARY CAUSE OF DEATH -

Animal Note: COD: HEPATOCELLULAR NEOPLASIA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1042	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 666
	DOSE: 0 PPM 0-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Gallbladder	Pituitary Gland

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 1-7			
Note: HEPATOCLR ADEN TGLs = 2-1			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Tooth	Peridont Tiss	Infiltration Cellular	Mast Cell, Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND DUE TO HEPATOCELLULAR NEOPLASIA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1043	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 747
	DOSE: 0 PPM 0-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	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	Kidney
Nose	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow	Femoral	Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3-7			
Note: MANDIBULAR LN NORMAL.			
Mesentery		Lymphoma Malignant Mixed	
Pancreas	Acinus	Atrophy	Minimal
Skin	Subcut Tiss	Fibrous Histiocytoma	
		Ulcer	Mild
Note: [FIB HISTIOCYT] TGLs = 1-8			
Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 2-1]			
Thymus		Lymphoma Malignant Mixed	

PRIMARY CAUSE OF DEATH -

Animal Note: COD: LYMPHOMA & SUBCUTANEOUS SARCOMA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1044	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Medulla	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	Kidney	Lung	Lymph Node
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		
MISSING			
Gallbladder	Thymus		
OBSERVATIONS			
Adrenal Gland	Spindle Cell, Subcapsular	Adenoma	Multiple
	Cortex	Hypertrophy	Minimal
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-8			
Liver		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	
[Hematopoietic Cell Proliferation TGLS = 2-7]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Preputial Gland		Inflammation	Suppurative, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1045	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 427
	DOSE: 0 PPM 0-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Intestine Large	Colon	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 3-4			
Intestine Small	Ileum	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-4			
Liver		Lymphoma Malignant Lymphocytic	
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Mesentery		Inflammation	Chronic Active, Moderate
		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 4-7			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 1-1			
Thymus		Lymphoma Malignant Lymphocytic	

PRIMARY CAUSE OF DEATH -

Animal Note: COD: LYMPHOMA & ASSOCIATED INFLAMMATION.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1046	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	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
Lung	Lymph Node	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-8+9			
Harderian Gl			
Note: ENLARGED HARDERIAN WITHIN NORMAL LIMITS ON MICRO.			
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR ADEN TGLs = 3-7			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1047	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Liver
Lymph Node	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
	Cortex	Hypertrophy	Minimal
Kidney		Nephropathy	Chronic, Minimal
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Tooth	Incisor, Upper	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1048	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Liver
Lung	Lymph Node	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Corticomed Jct	Cyst	
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7+8			
Note: ONE TARSAL (SLIDE 7) POPPED OUT OF SECTION.			
Kidney		Nephropathy	Chronic, Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Note: MESENTERIC LN NOT FOUND IN WET TISSUE.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1049	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Liver	Lymph Node
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-7+8			
Kidney		Nephropathy	Chronic, Minimal
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Note: INFLAMMATION TGLs = 1-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1050	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Kidney	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7+8			
Intestine Small	Jejunum	Adenocarcinoma	
Note: ADENOCARC TGLs = 5-9			
Liver		Hemangiosarcoma	
		Infarct	Mild
Note: HEMANGIOSARC TGLs = 2-11			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 3-2			
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
Note: MANDIBULAR LN NORMAL.			
Note: ANGIECTASIS TGLs = 4-10			
Note: HEMA CELL PROL TGLs = 4-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1051	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Lung	Pituitary Gland	Thyroid Gland
OBSERVATIONS			
Heart		Adenocarcinoma	Metastatic (Uncertain Primary Site)
Intestine Small	Jejunum	Adenocarcinoma	
Note: ADENOCARC TGLs = 3-4			
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 2-3			
Skin	Subcut Tiss	Fibrosis	Moderate
	Subcut Tiss	Inflammation	Chronic Active, Moderate
Note: FIBROSIS TGLs = 1-5			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1052	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 0 PPM 10-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node	Thymus

OBSERVATIONS

Gallbladder		Fibrosarcoma	Metastatic (Skin)
Heart		Adenocarcinoma	Metastatic (Uncertain Primary Site)
Liver		Fibrosarcoma	Metastatic (Skin)
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 2-9,3-10]			
Lung		Adenocarcinoma	Metastatic (Uncertain Primary Site)
		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node			
Note: MANDIBULAR LN MISSING			
Mesentery		Fibrosarcoma	Metastatic (Skin)
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-8,4-7			

PRIMARY CAUSE OF DEATH	-

Animal Note: MORIBUND SACRIFICE DUE TO LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1053	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland	Thyroid Gland		

OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2-4,1-4,3-4			
Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 4-2]			
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 5-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1054	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland	Thyroid Gland	
OBSERVATIONS			
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-4			
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 2-3			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1055	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 711
	DOSE: 0 PPM 10-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 6-10,6-11			
Kidney		Nephropathy	Chronic, Minimal
Liver	Bile Duct	Cyst	
Note: CYST TGLs = 4-7			
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Mild
	Mesenteric	Hyperplasia	Lymphoid, Mild
Note: [HYPERPLASIA] TGLs = 2,3-8+12			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 5-9+13			
Spleen		Hyperplasia	Lymphoid, Mild
Testes	Seminif Tub	Degeneration	Moderate
Urethra	Bulboureth Gl	Dilatation	Marked

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO SKIN TUMOR
Animal Note: PENIS PROLAPSED BY SUBCUTANEOUS SKIN TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1056	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3,1-4			
Liver		Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 2-5			
Lung	Alveolar Epith	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1057	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 171
	DOSE: 0 PPM 10-0	**DISP:** Missing	**HISTO:**
PRIMARY CAUSE OF DEATH	-		

Animal Note: NO TISSUES, ANIMAL LOST,LAST SEEN 5/4/83

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1058	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 628
	DOSE: 0 PPM 10-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Islets, Pancreatic
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Heart		Thrombosis	Moderate
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 3-1]			
Lung	Artery	Embolus	Mild
Lymph Node	Mandibular	Infiltration Cellular	Histiocyte, Moderate
Note: INFILTRAT CELL TGLs = 2-6			
Skin		Parasite External	

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LIVER TUMORS
Animal Note: PARASITES ON ABDOMINAL SKIN
Animal Note: ALOPECIC BACK SKIN NOT SAMPLED BUT THERE ARE EXTERNAL
Animal Note: EYE APPEARS TO BE WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1059	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Thyroid Gland		
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3,1-4			
Liver		Basophilic Focus	
		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 2-5,3-5			
Pituitary Gland	Pars Distalis	Cyst	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1060	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 368
	DOSE: 0 PPM 10-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Liver	Lung	Lymph Node	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	

MISSING

Thymus

OBSERVATIONS

Kidney	Nephropathy	Chronic, Mild
Lymph Node		
Note: MANDIBULAR LN NORMAL		
Prostate	Inflammation	Suppurative, Moderate
Urinary Bladder	Dilatation	Marked

PRIMARY CAUSE OF DEATH -

Animal Note: KIDNEY LESION, TGL1, IS FAT PAD ON CAPSULE/NSL
Animal Note: CAUSE OF DEATH, URINARY TRACT INFECTION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1061	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 663
	DOSE: 0 PPM 10-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney	Liver
Lung	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Gallbladder	Lymph Node	Thymus

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7,1-8			
Lymph Node			
Note: MANDIBULAR LN MISSING			
Skin	Subcut Tiss	Fibrosarcoma	
		Parasite External	
Note: FIBROSARC TGLs = 2-10,3-11			
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO SKIN TUMOR
Animal Note: TGL4-1,LIVER NODULE IS HIATAL STRESS TYPE

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1062	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Pituitary Gland	Thyroid Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-3			
Skin		Acanthosis	Moderate
		Parasite External	
		Ulcer	Mild
Note: ULCER TGLs = 1-4			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1063	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Pituitary Gland	Thyroid Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis
[Hyperostosis TGLS = 1-3]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1064	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3,1-4			
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-7			
Lung		Alveolar/Bronchiolar Adenoma	Multiple
Note: ALV BRON ADEN TGLs = 3-2,4-2			
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 5-5.1			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 6-6			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1065	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Pituitary Gland	Thyroid Gland	

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 1-3,1-4]			
Eye	Cornea	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 2-5]			
Harderian Gland		Adenoma	
[Adenoma TGLS = 3-5]			
Kidney	Capsule	Fibrosis	Focal, Moderate
[Fibrosis TGLS = 5-6]			
Liver		Basophilic Focus	
[Basophilic Focus TGLS = 6-7]			
Skin		Ulcer	Moderate
[Ulcer TGLS = 4-6]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1066	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 51
	DOSE: 0 PPM 10-0	**DISP:** Accidentally Killed	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Kidney
Liver	Lung	Lymph Node	Nose
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Lymph Node
Note: MANDIBULAR LN NORMAL

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH , DROWNING

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1067	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 51
	DOSE: 0 PPM 10-0	**DISP:** Accidentally Killed	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Kidney
Liver	Lung	Lymph Node	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Pituitary Gland

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Lymph Node
Note: MANDIBULAR LN NORMAL

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, DROWNING

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1068	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 51
	DOSE: 0 PPM 10-0	**DISP:** Accidentally Killed	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Kidney
Liver	Lung	Lymph Node	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Lymph Node

Note: MANDIBULAR LN NORMAL

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, DROWNING

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1069	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 51
	DOSE: 0 PPM 10-0	**DISP:** Accidentally Killed	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Kidney
Liver	Lung	Nose	Pancreas
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node	Parathyroid Gland	Pituitary Gland

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Lymph Node
Note: MANDIBULAR LN MISSING

PRIMARY CAUSE OF DEATH -

Animal Note: PROBABLE CAUSE OF DEATH, DROWNING

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1070	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 51
	DOSE: 0 PPM 10-0	**DISP:** Accidentally Killed	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - 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	Kidney
Liver	Lung	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	
MISSING			
Lymph Node	Parathyroid Gland		
AUTO PRECLUDES DIAG.			
Gallbladder			
OBSERVATIONS			
Lymph Node			
Note: MANDIBULAR LN MISSING			
Skin		Acanthosis	Moderate
	Subcut Tiss	Inflammation	Chronic Active, Mild
PRIMARY CAUSE OF DEATH	-		
Animal Note: PROBABLE CAUSE OF DEATH, DROWNING			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1071	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Pituitary Gland	Spleen	Thyroid Gland

OBSERVATIONS

Liver	Hepatocellular Adenoma	Multiple
	Infarct	Marked

Note: [HEPATOCLR ADEN] TGLs = 2-3,3-3
Note: INFARCT TGLs = 4-4

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-1, SPLEEN NODULE IS NOT A SIGNIFICANT LESION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1072	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 716
	DOSE: 0 PPM 10-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Colon	Kidney	Liver	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea			

MISSING

Lymph Node	Thymus

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Pancreas
Urinary Bladder			

OBSERVATIONS

Lung	Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 3-2]		
Lymph Node		
Note: MANDIBULAR LN MISSING		
Skin	Ulcer	Moderate
Note: ULCER TGLs = 1-7		
Spleen	Depletion Lymphoid	Moderate
[Depletion Lymphoid TGLS = 2-1]		

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH UNDETERMINED

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1073	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 578
	DOSE: 0 PPM 10-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Kidney	Liver	Lung	Lymph Node
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Lymph Node
Note: MANDIBULAR LN NORMAL

Skin	Subcut Tiss	Fibrosarcoma
[Fibrosarcoma TGLS = 1-7]		

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LARGE TUMOR IN SUBCUTIS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1074	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Pituitary Gland	Preputial Gland
Thyroid Gland			

OBSERVATIONS

Bone	Tarsal	Hyperostosis
Note: HYPEROSTOSIS TGLs = 1-3		

PRIMARY CAUSE OF DEATH -

Animal Note: TGL2-4,THE PREPUTIAL GLAND IS WITHIN NORMAL LIMITS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1075	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Pituitary Gland	Thyroid Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 3-3,3-4			
Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 1-2]			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 4-5			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL2-2, 2MM NODULE NOT FOUND AT TRIM

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1076	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 180
	DOSE: 0 PPM 10-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Islets, Pancreatic	Kidney	Liver
Lymph Node	Nose	Pancreas	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Intestine Small - Ileum Intestine Small - Jejunum

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Lung	Lymphoma Malignant Lymphocytic
Lymph Node	
Note: MANDIBULAR LN NORMAL	
Thymus	Lymphoma Malignant Lymphocytic
Note: LYMPH MAL LYMP TGLs = 1-2	

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1077	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 351
	DOSE: 0 PPM 10-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Kidney	Lymph Node	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Liver		Necrosis	Moderate
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH UNDETERMINED

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1078	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 351
	DOSE: 0 PPM 10-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Kidney	Lung	Lymph Node	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Liver	Necrosis	Moderate
Lymph Node		
Note: MANDIBULAR LN NORMAL		
Thymus	Depletion Lymphoid	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH UNDETERMINED

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1079	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Lung	Pituitary Gland	Thyroid Gland
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 1-3,1-4]			
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 2-5]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1080	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 351
	DOSE: 0 PPM 10-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Bone	Epididymis	Esophagus	Heart
Kidney	Parathyroid Gland	Prostate	Skin
Spleen	Testes	Thyroid Gland	Trachea
MISSING			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Lymph Node	Pituitary Gland
Salivary Glands	Thymus		
AUTO PRECLUDES DIAG.			
Bone Marrow	Brain	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Pancreas
Stomach - Forestomach	Stomach - Glandular	Urinary Bladder	
OBSERVATIONS			
Liver		Hepatocellular Adenoma	Multiple
Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node			
Note: MANDIBULAR LN MISSING			

PRIMARY CAUSE OF DEATH -

Animal Note: POSSIBLE CAUSE OF DEATH, LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1081	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL		
Lung	Pituitary Gland	Thyroid Gland
OBSERVATIONS		
Bone	Tarsal	Hyperostosis
[Hyperostosis TGLS = 1-3]		
Liver		Basophilic Focus
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1082	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Pituitary Gland	Thyroid Gland		
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3,1-4			
Intestine Small	Jejunum	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 6-7			
Liver	Centrilobular	Cytomegaly	Mild
Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Inflammation	Chronic Active, Minimal
Note: ALV BRON ADEN TGLs = 5-2			
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3-7			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 2-5			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 4-6			
Stomach	Forestomach	Acanthosis	Moderate
Note: ACANTHOSIS TGLs = 7-8			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1083	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Pituitary Gland	Thyroid Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis
[Hyperostosis TGLS = 1-3,1-4]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1084	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3			
Liver		Basophilic Focus	
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Thyroid Gland	Follicular Cel	Adenoma	
Note: ADENOMA TGLs = 2-2			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1085	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 722
	DOSE: 0 PPM 10-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney
Liver	Lung	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 3-7,3-8			
Lymph Node	Axillary	Sarcoma	Metastatic (Uncertain Primary Site)
Note: SARCOMA TGLs = 2-9			
Note: MANDIBULAR LN NORMAL			
Skin		Parasite External	
	Subcut Tiss	Sarcoma	
Note: SARCOMA TGLs = 1-10			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 4-11]			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO SKIN TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1086	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 279
	DOSE: 0 PPM 10-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Liver	Lung	Lymph Node	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	

OBSERVATIONS

Kidney	Hydronephrosis	Moderate
Lymph Node		
Note: MANDIBULAR LN NORMAL		
Prostate	Inflammation	Suppurative, Moderate
Thymus	Necrosis	Diffuse, Moderate
Urinary Bladder	Dilatation	Marked
Note: DILATATION TGLs = 1-4		

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, URINARY TRACT INFECTION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1087	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 234
	DOSE: 0 PPM 10-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Liver	Lung	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea		

MISSING

Lymph Node	Thymus

OBSERVATIONS

Kidney	Renal Tubule	Necrosis	Mild
Lymph Node			
Note: MANDIBULAR LN MISSING			
Seminal Vesicle		Dilatation	Mild
Note: DILATATION TGLs = 1-6			
Skin		Acanthosis	Moderate
Urinary Bladder		Calculus Gross Observation	
		Inflammation	Chronic Active, Moderate
Note: CALCUS GRO OBS TGLs = 2-4			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO URINARY TRACT OBSTRUCTION
Animal Note: ROUGH SKIN OVER PREPUCE IS ACANTHOSIS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1088	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 307
	DOSE: 0 PPM 10-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Colon	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea			
MISSING			
Intestine Large - Cecum	Intestine Small - Ileum	Skin	Thymus
AUTO PRECLUDES DIAG.			
Gallbladder	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Spleen			
OBSERVATIONS			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Urinary Bladder		Calculus Gross Observation	
		Dilatation	Moderate
Note: CALCUS GRO OBS TGLs = 1-4			

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, URINARY TRACT OBSTRUCTION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1089	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 309
	DOSE: 0 PPM 10-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	

MISSING

Intestine Small - Duodenum	Thymus

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Bone Marrow	Femoral	Hyperplasia	Neutrophil, Marked
Kidney		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 2-1]			
Liver		Basophilic Focus	
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Preputial Gland		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 1-6			
Prostate		Inflammation	Suppurative, Mild
Urinary Bladder		Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, URINARY TRACT INFECTION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1090	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 235
	DOSE: 0 PPM 10-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Liver	Lung	Lymph Node	Nose
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland	Thymus

OBSERVATIONS

Kidney		Hydronephrosis	Moderate
Note: HYDRONEPHROSIS TGLs = 2-1			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Seminal Vesicle		Dilatation	Moderate
Note: DILATATION TGLs = 4-6			
Skin	Subcut Tiss	Inflammation	Acute, Mild
Urethra		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 5-7			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1, PENIS NCL
Animal Note: TGL5-7,TISSUE NOS IS URETHRA
Animal Note: CAUSE OF DEATH IS URINARY TRACT INFECTION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1091	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Femur	Hyperostosis	
[Hyperostosis TGLS = 4-3]			
Liver	Bile Duct	Cyst	
[Cyst TGLS = 1-4]			
Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 2-2]			
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 3-5]			
Stomach	Forestomach	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 5-6]			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1092	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Pituitary Gland	Thyroid Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis
[Hyperostosis TGLS = 1-3,1-4]		
Liver	Bile Duct	Cyst
		Hepatocellular Adenoma
[Cyst TGLS = 3-1]		
[Hepatocellular Adenoma TGLS = 4-6]		
Spleen		Lymphoma Malignant Mixed
[Lymphoma Malignant Mixed TGLS = 2-5]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1093	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Pituitary Gland	Thyroid Gland		
OBSERVATIONS			
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-3			
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1094	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL
Lung

OBSERVATIONS

Bone	Tarsal	Hyperostosis
Note: HYPEROSTOSIS TGLs = 1-3		
Liver		Hepatocellular Adenoma
		Hepatocellular Carcinoma
[Hepatocellular Adenoma TGLS = 3-5]		
[Hepatocellular Carcinoma TGLS = 2-4]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1095	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Pituitary Gland	Thyroid Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis
[Hyperostosis TGLS = 1-3,1-4]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1096	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3			
Liver		Hepatocellular Carcinoma	
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 3-5			
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 2-4			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1097	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Pituitary Gland	Thyroid Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis
Note: HYPEROSTOSIS TGLs = 1-3,1-4		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1098	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL				
Pituitary Gland		Thyroid Gland		
OBSERVATIONS				
Bone		Tarsal	Hyperostosis	
Note: HYPEROSTOSIS	TGLs = 1-3,1-4			
Liver			Inflammation	Chronic Active, Mild
Lung			Alveolar/Bronchiolar Adenoma	
		Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node		Lumbar	Lymphoma Malignant Mixed	
		Mediastinal	Lymphoma Malignant Mixed	
		Mesenteric	Lymphoma Malignant Mixed	
		Pancreatic	Lymphoma Malignant Mixed	
		Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 2-5,4-7,5-8,6-9,7-10			
Spleen			Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 3-6			
PRIMARY CAUSE OF DEATH		-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1099	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland	Thyroid Gland		

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 2-3,2-4]			
Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 1-1]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1100	**TRT#:** 2	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Pituitary Gland	Thyroid Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 1-3,1-4]			
Liver		Histiocytic Sarcoma	
		Infarct	Moderate
Note: [HISTIO SARC] TGLs = 3-1			
Skin	Subcut Tiss	Edema	Mild
Note: EDEMA TGLs = 2-5			

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1101	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver
Thyroid Gland

MISSING

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3,1-4			
Kidney	Cortex	Cyst	
Note: CYST TGLs = 2-5			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3-5			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1102	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

MISSING

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-3			
Liver		Basophilic Focus	
	Centrilobular	Necrosis	Acute, Mild
Note: [BASOPH FOCUS] TGLs = 4-4			
Note: [NECROSIS] TGLs = 3-1			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Skin	Subcut Tiss	Fibrous Histiocytoma	
Note: [FIB HISTIOCYT] TGLs = 1-5			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Minimal

PRIMARY CAUSE OF DEATH -

Animal Note: PITUITARY CUT THROUGH

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1103	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 532
	DOSE: 100 PPM 1-1	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Kidney
Lung	Lymph Node	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Trachea	Urinary Bladder		

MISSING

Thymus

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Infarct	Moderate
[Hepatocellular Adenoma TGLS = 1-7]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, LIVER TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1104	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 2-3,2-4]			
Harderian Gland		Adenoma	
Note: ADENOMA TGLs = 4-5			
Kidney	Capsule	Fibrosis	Focal, Mild
Note: FIBROSIS TGLs = 3-5			
Liver		Infarct	Moderate
[Infarct TGLS = 5-7]			
Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 1-6]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Minimal

PRIMARY CAUSE OF DEATH -

Animal Note: TGL6-7, SMALL FOCUS NOT SEEN ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1105	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone		Tarsal	Hyperostosis	
Note: HYPEROSTOSIS	TGLs = 10-3,10-4			
Intestine Small		Jejunum	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 8-10			
Liver		Centrilobular	Cytomegaly	Minimal
			Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 9-1			
Lung		Mediastinum	Lymphoma Malignant Lymphocytic	
Lymph Node		Lumbar	Lymphoma Malignant Lymphocytic	
		Mandibular	Lymphoma Malignant Lymphocytic	
		Mesenteric	Lymphoma Malignant Lymphocytic	
		Renal	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 3-11,4-8,6-9,7-5			
Spleen			Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 1-6			
Thymus			Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 2-7			
Thyroid Gland		Follicular Cel	Vacuolization Cytoplasmic	Minimal

PRIMARY CAUSE OF DEATH -

Animal Note: TGL5, PANCREATIC LN ND MISSING AT TRIM

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1106	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver
Pituitary Gland

OBSERVATIONS

Eye		Atrophy	Mild
[Atrophy TGLS = 2-3]			
Harderian Gland		Adenoma	
[Adenoma TGLS = 1-3]			
Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 3-2]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1107	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 1-3]			
Liver		Hemangiosarcoma	
[Hemangiosarcoma TGLS = 2-4]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1108	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 641
	DOSE: 100 PPM 1-1	**DISP:** Missing	**HISTO:**

PRIMARY CAUSE OF DEATH -

Animal Note: NO TISSUE TAKEN, REPORTED MISSING 8/16/84

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1109	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Lung	Pituitary Gland	
OBSERVATIONS			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1110	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 516
	DOSE: 100 PPM 1-1	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Intestine Large	Cecum	Parasite Metazoan	
Intestine Small	Ileum	Parasite Metazoan	
Liver	Centrilobular	Cytomegaly	Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO SKIN MASS
Animal Note: MORIBUND SACRIFICE DUE TO SKIN MASS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1111	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Pituitary Gland	Thyroid Gland	
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 1-3,1-4]			
Lung	Alveolar Epith	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1112	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Pituitary Gland	Thyroid Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 1-3]			
Harderian Gland		Adenoma	
[Adenoma TGLS = 3-4]			
Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 2-1,2-4]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1113	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Lung		
INSUFFICIENT TISSUE			
Pituitary Gland			
OBSERVATIONS			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1114	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 1-4,1-5]			
Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-3]			
Lung		Alveolar/Bronchiolar Adenoma	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1115	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 424
	DOSE: 100 PPM 1-1	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Islets, Pancreatic	Kidney
Liver	Lymph Node	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Degeneration	Chronic, Moderate
Lung	Mediastinum	Inflammation	Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO MYOCARDIAL INFLAMMATON, FIBROSIS
Animal Note: REASON FOR PALE LIVER NOT APPARENT ON MICRO-NSL

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1116	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Pituitary Gland		
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 1-3]			
Lung		Alveolar/Bronchiolar Adenoma	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1117	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-4			
Lung	Alveolar Epith	Hyperplasia	Minimal
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 2-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1118	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Pituitary Gland			
OBSERVATIONS			
Liver		Basophilic Focus	
	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	
[Cytomegaly TGLS = 2-3]			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 3-2			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-4			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1119	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Minimal
		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 1-3]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1120	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-6,1-7			
Intestine Small	Jejunum	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-3			
Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 4-5]			
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3-4			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1121	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 593
	DOSE: 100 PPM 1-1	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Kidney	Liver	Lung	Lymph Node
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Testes	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-7			
Stomach	Glandular	Infiltration Cellular	Lymphocyte, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO SKIN MASS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1122	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 705
	DOSE: 100 PPM 1-1	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Penis	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

MISSING

Pituitary Gland	Thymus

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 4-7,4-8			
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 5-13,6-13,7-13			
Lung		Alveolar/Bronchiolar Carcinoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Mild
Note: ALV BRON CARC TGLs = 10-12			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
	Mandibular	Infiltration Cellular	Histiocyte, Moderate
Note: HYPERPLASIA TGLs = 8-9			
Note: INFILTRAT CELL TGLs = 9-6			
Skin		Acanthosis	Moderate
		Parasite External	
Note: ACANTHOSIS TGLs = 2-10			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1122	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 705
	DOSE: 100 PPM 1-1	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL3-11, PROLAPSE NOT SIGNIFICANT LESION
Animal Note: TGL1-10, NO TRUE ALOPECIA, MANY MITES

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1123	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 2-4,2-5]			
Liver		Histiocytic Sarcoma	
Lymph Node	Mesenteric	Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 1-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1124	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 345
	DOSE: 100 PPM 1-1	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Colon	Intestine Large - Rectum	Kidney
Liver	Lymph Node	Nose	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Testes	Thymus	Trachea
AUTO PRECLUDES DIAG.			
Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Pancreas	Stomach - Forestomach	Stomach - Glandular
OBSERVATIONS			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
Urinary Bladder		Dilatation	Moderate
PRIMARY CAUSE OF DEATH	-		
Animal Note: CAUSE OF DEATH UNDETERMINED			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1125	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Pituitary Gland		
OBSERVATIONS			
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1126	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Pituitary Gland			
OBSERVATIONS			
Intestine Small	Jejunum	Adenocarcinoma	
Note: ADENOCARC TGLs = 3-4			
Liver		Basophilic Focus	
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Mild
Note: ALV BRON ADEN TGLs = 2-3			
Lymph Node	Mesenteric	Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 4-5]			
Skin	Subcut Tiss	Fibrosis	Moderate
		Hyperplasia	Basal Cell, Marked
		Parasite External	
Note: HYPERPLASIA TGLs = 1-6			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 5-5]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1127	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen — Thyroid Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3			
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 4-1			
Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 2-2]			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: TGL3-4, SPLEEN WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1128	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland
Thyroid Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-3,2-6			
Kidney	Cortex	Cyst	
Note: CYST TGLs = 6-4			
Liver	Centrilobular	Cytomegaly	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 5-2			
Lymph Node	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 7-4,8-4			
Preputial Gland		Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 1-5			
Skin		Acanthosis	Mild
	Subcut Tiss	Granuloma	Moderate
		Parasite External	
Note: [GRANULOMA] TGLs = 3-5			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 4-4			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1129	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Pituitary Gland		
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3			
Lung		Alveolar/Bronchiolar Adenoma	
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 2-4			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1130	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 100 PPM 1-1	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Nose	Pancreas	Pituitary Gland	Prostate
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Trachea	Urinary Bladder		
MISSING			
Mammary Gland	Parathyroid Gland	Thymus	
AUTO PRECLUDES DIAG.			
Gallbladder			
OBSERVATIONS			
Adrenal Gland	Cortex	Hypertrophy	Mild
Esophagus	Periesoph Tiss	Sarcoma	Metastatic (Skin)
Lymph Node	Deep Cervical	Sarcoma	Metastatic (Skin)
Note: MANDIBULAR LN NORMAL			
Note: SARCOMA TGLs = 1-7			
Salivary Glands		Sarcoma	Metastatic (Skin)
Skin		Parasite External	
	Subcut Tiss	Sarcoma	
Thyroid Gland	Follicular Cel	Adenoma	
PRIMARY CAUSE OF DEATH	-		

Animal Note: CAUSE OF DEATH, INVASIVE SARCOMA IN NECK

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1131	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Pituitary Gland		
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 1-3,1-4]			
Lung		Alveolar/Bronchiolar Adenoma	
Skin		Acanthosis	Moderate
		Parasite External	
Note: ACANTHOSIS TGLs = 2-5			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1132	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Liver		Clear Cell Focus	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1133	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3			
Liver		Hepatocellular Adenoma	
Pituitary Gland	Pars Distalis	Cyst	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1134	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 557
	DOSE: 100 PPM 1-1	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - 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
Kidney	Lung	Lymph Node	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea		
MISSING			
Thymus			
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin		Acanthosis	Mild
		Alopecia	
	Subcut Tiss	Schwannoma Malignant	
Note: ALOPECIA TGLs = 1-7			
Note: [SCHWANNOMA MAL] TGLs = 2-7			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
Urinary Bladder		Dilatation	Moderate
PRIMARY CAUSE OF DEATH	-		

Animal Note: MORIBUND SACRIFICE DUE TO SKINN MASS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1151	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 142
	DOSE: 333 PPM 0-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	

MISSING

Gallbladder	Thymus

OBSERVATIONS

Epididymis		Inflammation	Acute, Mild
Intestine Large	Colon	Parasite Metazoan	
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Prostate		Inflammation	Suppurative, Mild
Seminal Vesicle		Dilatation	Moderate
Note: DILATATION TGLs = 3-13			
Skin	Prepuce, Subcut Tiss	Foreign Body	Marked
	Prepuce	Inflammation	Acute, Moderate
Note: FOREIGN BODY TGLs = 1-13			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Urinary Bladder		Dilatation	Moderate
[Dilatation TGLS = 2-6]			

PRIMARY CAUSE OF DEATH -

Animal Note: CACAUSE OF DEATH, URINARY TRACT INFECTION AND OBSTRUCTION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1152	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 95
	DOSE: 333 PPM 0-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node	Nose	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea

MISSING

Parathyroid Gland	Thymus

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Lymph Node			
Note: MANDIBULAR LN NORMAL			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Urinary Bladder		Dilatation	Moderate
Note: DILATATION TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

Animal Note: PROBABLE CAUSE OF DEATH URINARY TRACT OBSTRUCTION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1153	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Liver		Basophilic Focus	
	Centrilobular	Cytomegaly	Mild
		Infarct	Moderate
[Cytomegaly TGLS = 1-3]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1154	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
INSUFFICIENT TISSUE			
Pituitary Gland			
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
[Cytomegaly TGLS = 1-3]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1155	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 695
	DOSE: 333 PPM 0-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Liver	Lung
Lymph Node	Nose	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		
AUTO PRECLUDES DIAG.			
Gallbladder			
OBSERVATIONS			
Intestine Small	Jejunum	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-7			
Kidney		Nephropathy	Chronic, Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pancreas	Duct	Cyst	Marked
	Acinus	Inflammation	Chronic Active, Moderate
Prostate		Inflammation	Suppurative, Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Seminif Tub	Degeneration	Mild
Thymus		Depletion Lymphoid	Moderate
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		
Animal Note: CAUSE OF DEATH, LYMPHOMA			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1156	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Pituitary Gland			
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	Multiple
[Cytomegaly TGLS = 3-1,3-4]			
Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 4-2			
Note: ALV BRON ADEN TGLs = 4-2			
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 2-4			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1157	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Pituitary Gland		
OBSERVATIONS			
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1158	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 2-1,3-1			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1159	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-3			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	Multiple
[Cytomegaly TGLS = 4-1,5-4,6-4]			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Acanthosis	Mild
		Parasite External	
		Ulcer	Mild
Note: ULCER TGLs = 1-5			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		
Animal Note: TGL3-5, MANDIBULAR LN WITHIN NORMAL LIMITS			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1160	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 718
	DOSE: 333 PPM 0-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney
Lymph Node	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7,1-8			
Liver	Centrilobular	Cytomegaly	Moderate
		Hemangiosarcoma	Multiple
		Hematopoietic Cell Proliferation	Marked
Note: HEMANGIOSARC TGLs = 4-11			
Lung	Peribronchiolr	Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 5-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin		Acanthosis	Moderate
	Subcut Tiss	Fibrosarcoma	
		Parasite External	
		Ulcer	Mild
Note: ULCER TGLs = 2-10			
[Acanthosis TGLS = 2-10]			
[Fibrosarcoma TGLS = 3-9]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO SKIN TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1161	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 704
	DOSE: 333 PPM 0-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney	Lymph Node
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Trachea	Urinary Bladder		

MISSING

Pituitary Gland	Thymus

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7,1-8			
Bone Marrow	Femoral	Hyperplasia	Neutrophil, Moderate
Harderian Gland		Adenoma	
Liver	Centrilobular	Cytomegaly	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 4-10			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin		Parasite External	
	Subcut Tiss	Sarcoma	
Note: [SARCOMA] TGLs = 2-9			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 3-1			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO SKIN TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1162	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 241
	DOSE: 333 PPM 0-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - 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
Liver	Lymph Node	Nose	Pancreas
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea			
MISSING			
Parathyroid Gland	Thymus		
OBSERVATIONS			
Kidney	Pelvis	Inflammation	Suppurative, Moderate
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Prostate		Inflammation	Chronic Active, Moderate
Urethra		Inflammation	Chronic Active, Moderate
Urinary Bladder	Mucosa	Hyperplasia	Moderate
		Inflammation	Chronic Active, Moderate
PRIMARY CAUSE OF DEATH	-		

Animal Note: CAUSE OF DEATH, URINARY TRACT INFECTION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1163	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Pituitary Gland			
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 3-1			
Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 2-2]			
Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Moderate
Note: DILATATION TGLs = 1-3			
Note: INFLAMMATION TGLs = 1-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		
Animal Note: TGL4-3, LIVER NODULE NOT FOUND IN WET TISSUE			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1164	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Kidney			
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Pituitary Gland		Ectasia	Moderate
	Craniophar Dct	Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 4-2			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-4			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 2-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		
Animal Note: FOCUS ON KIDNEY IS FAT PAD, NSL			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1165	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 333 PPM 0-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - 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	Kidney
Nose	Pancreas	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Trachea	Urinary Bladder		
MISSING			
Lymph Node	Mammary Gland	Parathyroid Gland	Pituitary Gland
Thymus			
AUTO PRECLUDES DIAG.			
Gallbladder			
OBSERVATIONS			
Intestine Large	Colon	Parasite Metazoan	
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
	Centrilobular	Necrosis	Acute, Mild
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MANDIBULAR LN MISSING			
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		
Animal Note: CAUSE OF DEATH UNDETERMINED			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1166	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 627
	DOSE: 333 PPM 0-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Bone	Brain	Heart	Kidney
Lung	Nose	Salivary Glands	Skin
Testes			
MISSING			
Parathyroid Gland	Pituitary Gland	Thymus	
AUTO PRECLUDES DIAG.			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Epididymis
Esophagus	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Pancreas	Prostate	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
OBSERVATIONS			
Intestine Small	Jejunum	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-7			
Liver		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 1-1,1-8]			
Lymph Node	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 3-7]			
PRIMARY CAUSE OF DEATH	-		
Animal Note: CAUSE OF DEATH, LYMPHOMA			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1167	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 1-3,1-4]			
Liver		Basophilic Focus	
		Clear Cell Focus	
	Centrilobular	Cytomegaly	Mild
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1168	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Pituitary Gland		

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 1-3,1-4]			
Liver	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: TGL2-1, 1 MM NODULE LOST IN SECTIONING LIVER
Animal Note: TGL4-5, IS MESENTERIC FAT WITH IATROGENIC BLOOD, NSL

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1169	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Liver		Clear Cell Focus	
	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1-3,2-1			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

Animal Note: TGL3-1, FOCUS NOT PRESENT ON MULTIPLE SECTIONS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1170	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 677
	DOSE: 333 PPM 0-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney
Lung	Lymph Node	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-8,2-9			
Liver	Centrilobular	Cytomegaly	Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-7			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO SKIN TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1171	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 690
	DOSE: 333 PPM 0-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 4-10,4-11,4-12			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-9,2-8,3-7			
Testes	Seminif Tub	Degeneration	Moderate
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: PENIS PROLAPSE ASSOCIATED WITH SKIN TUMOR
Animal Note: MORIBUND SACRIFICE DUE TO SKIN TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1172	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 740
	DOSE: 333 PPM 0-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Kidney	Lymph Node	Nose	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Thymus
Trachea			

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Pancreas	Spleen	Stomach - Forestomach	Stomach - Glandular
Urinary Bladder			

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
		Histiocytic Sarcoma	
[Hepatocellular Carcinoma TGLS = 2-1,2-8]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin	Subcut Tiss	Fibrosis	Moderate
Note: FIBROSIS TGLs = 1-9			
Testes	Seminif Tub	Mineralization	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL3-1, KIDNEY MASS NOT SEEN AT TRIM
Animal Note: CAUSE OF DEATH, LIVER TRUMORS AND LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1173	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3,1-4			
Liver	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-1			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1174	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-3,2-4			
Liver	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
[Cytomegaly TGLS = 3-5,4-1,5-5]			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Preputial Gland	Duct	Dilatation	Marked
		Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 1-5			
Note: DILATATION TGLs = 1-5			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1175	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3,1-4			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-1			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1176	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3			
Liver	Centrilobular	Cytomegaly	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: TGL2-4, NO NODULE FOUND ON CAUDATE LOBE

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1177	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3,1-4			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-5			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1178	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 734
	DOSE: 333 PPM 0-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - 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	Lung
Lymph Node	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			
AUTO PRECLUDES DIAG.			
Gallbladder			
OBSERVATIONS			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-7			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Prostate		Inflammation	Chronic Active, Minimal
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

Animal Note: COD IS LIVER TUMOR
Animal Note: TGL2-7 TISSUE NOS IS LIVER TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1179	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 1-3]			
Liver	Centrilobular	Cytomegaly	Mild
		Hemangiosarcoma	
		Hepatocellular Carcinoma	
[Cytomegaly TGLS = 3-1]			
[Hemangiosarcoma TGLS = 2-4]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 4-5]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1180	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-1			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1181	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3			
Kidney		Hepatocellular Carcinoma	Metastatic (Liver)
Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 2-1,2-5			
Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 4-4			
Spleen		Hyperplasia	Lymphoid, Marked
Note: [HYPERPLASIA] TGLs = 3-4			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL2-6, NO MASS FOUND IN LIVER IN SLIDE SIX

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1182	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7,1-8			
Liver		Clear Cell Focus	
	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Eosinophilic Focus TGLS = 2-4,2-5,3-3,4-6]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1183	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 3-3			
Liver	Centrilobular	Cytomegaly	Mild
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node	Lumbar	Lymphoma Malignant Lymphocytic	
	Mandibular	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 1-4,5-5			
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-6			
Testes	Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4-7			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1184	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 690
	DOSE: 333 PPM 0-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Kidney	Lung	Lymph Node	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Liver	Centrilobular	Cytomegaly	Mild
		Infarct	Marked
[Cytomegaly TGLS = 1-7]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LIVER INFARCT

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1185	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3			
Liver	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Cytomegaly TGLS = 2-4,2-5]			
Pituitary Gland	Pars Distalis	Cyst	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1186	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Pituitary Gland			
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3			
Liver		Basophilic Focus	
	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-5,5-5			
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 4-2			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

Animal Note: TGL3-4, SPLEEN IS WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1187	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung
Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	
		Infarct	Mild
[Cytomegaly TGLS = 3-4]			
Thyroid Gland	Follicular Cel	Adenoma	
Note: ADENOMA TGLs = 2-2			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1188	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Pituitary Gland		

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3,1-4			
Liver		Basophilic Focus	
	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 2-5			
[Hepatocellular Carcinoma TGLS = 4-5]			
[Infarct TGLS = 3-5]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1189	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	Multiple
[Cytomegaly TGLS = 2-4,3-4]			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 4-2			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1190	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 4-3]			
Liver	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-5,2-5,3-4			
Lung	Alveolar Epith	Hyperplasia	Minimal
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: TGL5-6, PEYERS PATCH ON CECUM, NSL

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1191	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 623
	DOSE: 333 PPM 0-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Kidney
Lung	Nose	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

MISSING

Gallbladder	Parathyroid Gland

OBSERVATIONS

Liver		Hemangiosarcoma	
	Bile Duct	Hyperplasia	Mild
	Centrilobular	Necrosis	Acute, Mild
Note: HYPERPLASIA TGLs = 3-1			
[Hemangiosarcoma TGLS = 4-1]			
[Necrosis TGLS = 2-1]			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 1-6			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH UNDETERMINED

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1192	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 662
	DOSE: 333 PPM 0-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	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	Nose
Parathyroid Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

MISSING

Pituitary Gland

OBSERVATIONS

Bone Marrow	Femoral	Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
Liver		Hemangioma	
		Hepatocellular Adenoma	
		Lymphoma Malignant Mixed	
Note: [HEPATOCLR ADEN] TGLs = 6-10			
Note: HEMANGIOMA TGLs = 7-10			
Lung	Alveolar Epith	Hyperplasia	Moderate
		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-6,3-2,5-8,8-7			
Pancreas		Lymphoma Malignant Mixed	
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 4-9			
Thymus		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1192	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 662
	DOSE: 333 PPM 0-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1193	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 622
	DOSE: 333 PPM 0-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney
Lung	Lymph Node	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 4-7,4-8			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Moderate
Note: [HEPATOCLR ADEN] TGLs = 3-1			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin		Acanthosis	Moderate
	Subcut Tiss	Inflammation	Chronic Active, Moderate
		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 2-10			
Note: INFLAMMATION TGLs = 1-9			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO HEAD MASS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1194	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 602
	DOSE: 333 PPM 0-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney	Lung
Lymph Node	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

AUTO PRECLUDES DIAG.

Gallbladder

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7,1-8			
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Infarct	Marked
[Hepatocellular Carcinoma TGLS = 2-9]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Thymus		Necrosis	Diffuse, Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, LIVER TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1195	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 1-3]			
Liver	Centrilobular	Cytomegaly	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1196	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 619
	DOSE: 333 PPM 0-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	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	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	Urinary Bladder

MISSING

Pituitary Gland	Thymus

OBSERVATIONS

Bone Marrow	Femoral	Lymphoma Malignant Lymphocytic	
Kidney		Lymphoma Malignant Lymphocytic	
Liver		Hepatocellular Carcinoma	
		Lymphoma Malignant Lymphocytic	
Note: HEPATOCLR CARC TGLs = 4-1			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
		Lymphoma Malignant Lymphocytic	
Lymph Node	Deep Cervical	Lymphoma Malignant Lymphocytic	
	Inguinal	Lymphoma Malignant Lymphocytic	
	Mandibular	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 5-8			
Prostate		Lymphoma Malignant Lymphocytic	
Skin	Subcut Tiss	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 1-7,2-9			
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 3-1			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1197	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Pituitary Gland			
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 3-8,3-9]			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	
	Central Vein	Thrombosis	
Note: HEPATOCLR CARC TGLs = 4-3,5-4,6-5			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Skin		Acanthosis	Moderate
	Subcut Tiss	Fibrosis	Mild
	Sebaceous Gl, Subcut Tiss	Hyperplasia	Mild
		Parasite External	
		Ulcer	Mild
Note: ACANTHOSIS TGLs = 1-6			
[Fibrosis TGLS = 1-6]			
[Ulcer TGLS = 2-7]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1198	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 333 PPM 0-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Harderian Gland		Adenoma	
Intestine Large	Colon	Parasite Metazoan	
Liver		Hepatocellular Carcinoma	
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 2-8			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-7			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, LIVER AND SKIN TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1199	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-5,1-6			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
[Cytomegaly TGLS = 3-4]			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 2-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1200	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Harderian Gland	Intestine Small - Jejunum	Pituitary Gland	
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[Cytomegaly TGLS = 3-1]			
[Hepatocellular Adenoma TGLS = 4-5]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Moderate
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 2-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

Animal Note: TGL1-4, HARDERIAN GLAND IS NORMAL
Animal Note: TGL5-4, LYMPHOID NODULES IN JEJUNUM ARE NORMAL

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1201	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Liver	Centrilobular	Cytomegaly	Mild
		Hemangiosarcoma	Multiple
Note: HEMANGIOSARC TGLs = 1-3			
Lung	Alveolar Epith	Hyperplasia	Minimal
	Peribronchiolr	Inflammation	Chronic Active, Mild
Note: INFLAMMATION TGLs = 2-2			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1202	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Cytomegaly TGLS = 2-3]			
[Hepatocellular Adenoma TGLS = 1-3,3-3,4-3]			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1203	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Pituitary Gland			
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	
[Cytomegaly TGLS = 1-3]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Note: INFLAMMATION TGLs = 2-2			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1204	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

MISSING

Pituitary Gland

OBSERVATIONS

Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 2-4]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Spleen		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 1-3]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1205	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 311
	DOSE: 333 PPM 3-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - 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
Kidney	Liver	Lymph Node	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder
OBSERVATIONS			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Minimal

PRIMARY CAUSE OF DEATH -

Animal Note: TGL2-1,SPLEEN WITHIN NORMAL LIMITS ON MICRO
Animal Note: REASON FOR MORIBUND SACRIFICE NOT APPARENT ON MICRO
Animal Note: TGL1-1, 1MM CUBIC NODULE IN FORESTOMACH NOT SEEN ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1206	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 25
	DOSE: 333 PPM 3-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - 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
Kidney	Liver	Lymph Node	Nose
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		
MISSING			
Parathyroid Gland			
OBSERVATIONS			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin	Subcut Tiss	Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 1-11			
Spleen		Depletion Lymphoid	Mild
Thymus		Depletion Lymphoid	Moderate
PRIMARY CAUSE OF DEATH	-		
Animal Note: CAUSE OF DEATH, PREPUCE INFLAMMATION			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1207	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 14
	DOSE: 333 PPM 3-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Bone	Bone Marrow		
MISSING			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	
AUTO PRECLUDES DIAG.			
Intestine Large - Colon	Intestine Small - Jejunum		
OBSERVATIONS			
Lymph Node			
Note: MANDIBULAR LN MISSING			

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH UNDETERMINED

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1208	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 13
	DOSE: 333 PPM 3-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Bone	Intestine Large - Colon	Nose	
MISSING			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		
INSUFFICIENT TISSUE			
Bone Marrow			
OBSERVATIONS			
Intestine Large	Rectum	Parasite Metazoan	
Lymph Node			
Note: MANDIBULAR LN MISSING			

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH UNDETERMINED

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1209	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 124
	DOSE: 333 PPM 3-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Kidney	Liver	Lung	Lymph Node
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Lymph Node
Note: MANDIBULAR LN NORMAL

Thymus	Depletion Lymphoid	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: REASON FOR MORIBUND SACRIFICE NOT APPARENT ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1210	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 8
	DOSE: 333 PPM 3-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

MISSING

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney	Liver
Lung	Lymph Node	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

INSUFFICIENT TISSUE

Bone	Bone Marrow

OBSERVATIONS

Lymph Node
Note: MANDIBULAR LN MISSING

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH UNDETERMINED

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1211	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 704
	DOSE: 333 PPM 3-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney
Lung	Lymph Node	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 1-8,1-9]			
Liver	Centrilobular	Cytomegaly	Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin		Schwannoma Malignant	
Note: [SCHWANNOMA MAL] TGLs = 2-7			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO SKIN TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1212	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 3-3			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 2-6,2-7			
Skin		Acanthosis	Moderate
		Parasite External	
Note: ACANTHOSIS TGLs = 4-5			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-4			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1213	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 681
	DOSE: 333 PPM 3-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

AUTO PRECLUDES DIAG.

Bone Marrow	Gallbladder

OBSERVATIONS

Intestine Small	Jejunum	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-7			
Liver	Centrilobular	Cytomegaly	Minimal
		Eosinophilic Focus	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
Skin		Acanthosis	Mild
		Parasite External	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1214	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Pituitary Gland			
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 1-3,1-4]			
Liver		Basophilic Focus	
	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-5			
Lung		Alveolar/Bronchiolar Adenoma	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1215	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 676
	DOSE: 333 PPM 3-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea	Urinary Bladder	

MISSING

Intestine Large - Rectum	Pituitary Gland	Thymus

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Small - Ileum

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 5-10,5-11]			
Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Histiocytic Sarcoma	
Note: HEPATOCLR ADEN TGLs = 6-8			
Note: [HISTIO SARC] TGLs = 3-1			
Note: BASOPH FOCUS TGLs = 1-7			
Lung		Histiocytic Sarcoma	
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 2-9]			
Spleen		Hematopoietic Cell Proliferation	Marked
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, SKIN TUMOR AND LYMPHOMA
Animal Note: TGL4-1, PALE KIDNEYS NOT APPARENT ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1216	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Pituitary Gland			
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Minimal
	Peribronchiolr	Inflammation	Chronic Active, Minimal
Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-3]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1217	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 2-3,2-4]			
Liver	Centrilobular	Cytomegaly	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Skin	Subcut Tiss	Fibrous Histiocytoma	
Note: FIB HISTIOCYT TGLs = 1-5			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-6]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1218	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 649
	DOSE: 333 PPM 3-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	Urinary Bladder

MISSING

Mammary Gland	Thymus

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-11,1-12			
Kidney		Hepatocellular Carcinoma	Metastatic (Liver)
Liver		Hepatocellular Carcinoma	
		Infarct	Marked
Note: HEPATOCLR CARC TGLs = 3-10			
Lung		Alveolar/Bronchiolar Adenoma	Multiple
		Hepatocellular Carcinoma	Metastatic (Liver)
Note: [ALV BRON ADEN] TGLs = 6-9			
Note: HEPATOCLR CARC TGLs = 4-7,5-8			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH	-

Animal Note: CAUSE OF DEATH LIVER TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1219	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3,1-4			
Liver	Centrilobular	Cytomegaly	Mild
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1220	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3,1-4			
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 3-7,4-7,6-7			
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Skin		Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 2-5			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 5-6			
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1221	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-3,2-4			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
[Cytomegaly TGLS = 7-10]			
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 6-9			
Preputial Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 3-8			
Skin	Subcut Tiss	Fibrosarcoma	Multiple
Note: FIBROSARC TGLs = 1-5,1-6			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 4-7,5-7			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

Animal Note: TGL6-9, COLON SECTION APPEARS TO BE MESENTERIC LYMPH NODE

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1222	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Pituitary Gland			
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3,1-4			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	
[Cytomegaly TGLS = 2-5]			
Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Inflammation	Chronic Active, Moderate
Note: ALV BRON ADEN TGLs = 3-2			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1223	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 1-3,1-4]			
Liver	Centrilobular	Cytomegaly	Mild
Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Inflammation	Chronic Active, Mild
[Alveolar/Bronchiolar Adenoma TGLS = 2-2]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1224	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**
OBSERVATIONS			
Kidney	Cortex	Cyst	
Note: CYST TGLs = 7-3			
Liver	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
		Fibrosarcoma	Metastatic (Skin)
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Carcinoma	Multiple
[Eosinophilic Focus TGLS = 5-1]			
[Hematopoietic Cell Proliferation TGLS = 6-6]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node	Mesenteric	Fibrosarcoma	Metastatic (Skin)
Note: FIBROSARC TGLs = 4-3			
Pituitary Gland	Pars Distalis	Cyst	
Skin		Acanthosis	Mild
	Subcut Tiss	Fibrosarcoma	
	Subcut Tiss	Fibrosis	Mild
		Parasite External	
		Ulcer	Mild
Note: FIBROSARC TGLs = 1-4			
Note: ULCER TGLs = 2-5			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 3-3			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1225	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Pituitary Gland

OBSERVATIONS

Bone		Tarsal	Hyperostosis	
Note: HYPEROSTOSIS	TGLs = 1-3,1-4			
Liver		Centrilobular	Cytomegaly	Mild
Lymph Node		Mesenteric	Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL	TGLs = 2-5			
Thyroid Gland		Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1226	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 690
	DOSE: 333 PPM 3-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Kidney	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Penis	Pituitary Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Liver	Centrilobular	Cytomegaly	Minimal
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 4-10			
Note: MANDIBULAR LN MISSING			
Preputial Gland		Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 2-7+9			
Spleen		Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 3-8			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO SPLEEN TUMOR AND SUBCUTANEOUS
Animal Note: INFLAMMATION OF PREPUTIAL GLAND
Animal Note: PENIS PROLAPSE DUE TO PREPUTIAL LESION, IT IS NSL
Animal Note: TGL2-9, SKIN MASS IS INFECTED PREPUTIAL GLAND

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1227	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 3-3,3-4			
Kidney	Cortex	Infiltration Cellular	Histiocyte, Focal, Moderate
Note: INFILTRAT CELL TGLs = 2-6			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-5			
Lung		Alveolar/Bronchiolar Adenoma	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1228	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 651
	DOSE: 333 PPM 3-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney
Lung	Lymph Node	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-8,2-9			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Moderate
Note: DILATATION TGLs = 1-7			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: TGL3-1, SPLEEN WITHIN NORMAL LIMITS ON MICRO
Animal Note: MORIBUND SACRIFICE DUE TO PREPUTIAL GLAND INFECTION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1229	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 666
	DOSE: 333 PPM 3-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Trachea	Urinary Bladder		

MISSING

Thymus

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Intestine Large	Cecum	Inflammation	Acute, Mild
Kidney		Lymphoma Malignant Histiocytic	
Liver		Infarct	Mild
		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 2-1			
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
		Lymphoma Malignant Histiocytic	
Lymph Node	Mediastinal	Lymphoma Malignant Histiocytic	
Note: MANDIBULAR LN MISSING			
Skin	Subcut Tiss	Inflammation	Chronic Active, Moderate
		Ulcer	Moderate
Note: ULCER TGLs = 1-7			
Note: INFLAMMATION TGLs = 1-7			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1230	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 526
	DOSE: 333 PPM 3-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - 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
Kidney	Lymph Node	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			
INSUFFICIENT TISSUE			
Pituitary Gland			
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Prostate		Inflammation	Chronic Active, Marked
Seminal Vesicle		Dilatation	Mild
Note: DILATATION TGLs = 1-7			
Spleen		Depletion Lymphoid	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		
Animal Note: CAUSE OF DEATH URINARY TRACT INFECTION			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1231	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3			
Liver	Centrilobular	Cytomegaly	Mild
Lung	Alveolar Epith	Hyperplasia	Minimal
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1232	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 677
	DOSE: 333 PPM 3-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Trachea	Urinary Bladder		

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-8,1-9			
Bone Marrow	Femoral	Lymphoma Malignant Undifferentiated Cell Type	
Intestine Small	Jejunum	Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 8-4			
Liver		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant Undifferentiated Cell Type	
Lung		Inflammation	Chronic, Diffuse, Moderate
		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Lumbar	Lymphoma Malignant Undifferentiated Cell Type	
	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
	Mediastinal	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
	Renal	Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 2-6,3-7,4-10,6-11			
Pancreas	Acinus	Atrophy	Mild
		Inflammation	Chronic Active, Mild
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
[Lymphoma Malignant Undifferentiated Cell Type TGLS = 5-1]			
Thymus		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 7-2			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1232	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 677
	DOSE: 333 PPM 3-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1233	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 1-3,1-4]			
Liver	Centrilobular	Cytomegaly	Mild
		Hemangiosarcoma	Multiple
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-5			
Note: HEMANGIOSARC TGLs = 3-6			
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Hyperplasia	Macrophage, Moderate
	Perivascular	Inflammation	Chronic Active, Moderate
[Alveolar/Bronchiolar Adenoma TGLS = 4-2]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1234	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Pituitary Gland		

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 2-3,2-4]			
Harderian Gland		Adenoma	
[Adenoma TGLS = 1-5]			
Liver		Hepatocellular Carcinoma	
		Infarct	Marked
Note: INFARCT TGLs = 4-7			
[Hepatocellular Carcinoma TGLS = 3-6]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH	-

Animal Note: TGL4-7 IS INFARCTED LIVER

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1235	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Liver		Clear Cell Focus	
	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	Multiple
[Cytomegaly TGLS = 1-3]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1236	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL
Pituitary Gland

INSUFFICIENT TISSUE
Bone

OBSERVATIONS

Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	Multiple
[Cytomegaly TGLS = 2-4]			
Lung	Perivascular	Inflammation	Chronic Active, Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-3, INSUFFICIENT TISSUE REMAINING IN SECTION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1237	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 1-3]			
Liver	Centrilobular	Cytomegaly	Mild
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1238	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Pituitary Gland			
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-4,3-1			
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	Multiple
Note: ALV BRON CARC TGLs = 4-2			
Stomach	Forestomach	Acanthosis	Moderate
Note: ACANTHOSIS TGLs = 5-5			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1239	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 4-3,4-4			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[Cytomegaly TGLS = 3-5]			
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-7			
Skin	Subcut Tiss	Neurofibrosarcoma	
Note: [NEUROFIBROSARC] TGLs = 2-6			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1240	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-6			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Cytomegaly TGLS = 3-3]			
Lung		Alveolar/Bronchiolar Adenoma	
		Lymphoma Malignant Mixed	
Note: ALV BRON ADEN TGLs = 4-5			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-4			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1241	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-4			
Liver		Basophilic Focus	
	Centrilobular	Cytomegaly	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Skin	Subcut Tiss	Fibrous Histiocytoma	
Note: FIB HISTIOCYT TGLs = 1-3			
Spleen		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 3-5			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1242	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 4-1,4-3]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 5-6]			
Skin	Subcut Tiss	Fibrosarcoma	
		Ulcer	Moderate
[Fibrosarcoma TGLS = 2-4]			
[Ulcer TGLS = 1-5]			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-6]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1243	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3,1-4			
Liver		Basophilic Focus	
	Centrilobular	Cytomegaly	Mild
Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchial	Inflammation	Chronic Active, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1244	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Pituitary Gland		

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 1-3,1-4]			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 2,3,4,5-5+6			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1245	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 595
	DOSE: 333 PPM 3-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Kidney	Liver	Lung	Nose
Pancreas	Prostate	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Parathyroid Gland

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-7			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-1]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LARGE SKIN MASS
Animal Note: TGL3-4, MESENTERIC LN MISSING AT TRIM

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1246	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3,1-8			
Intestine Small	Jejunum	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 6-7			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	Multiple
[Cytomegaly TGLS = 3-1,3-5]			
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 4-6,5-7			
Skin	Subcut Tiss	Metaplasia	Osseous, Mild
		Ulcer	Mild
Note: ULCER TGLs = 2-4			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1247	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Pituitary Gland		

OBSERVATIONS

Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1248	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 1-3,1-4]			
Liver	Centrilobular	Cytomegaly	Mild
Lung	Alveolar Epith	Hyperplasia	Minimal
	Peribronchial	Inflammation	Chronic Active, Minimal
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1249	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 584
	DOSE: 333 PPM 3-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7			
Liver		Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 5-1			
Lung		Histiocytic Sarcoma	
	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node	Mandibular	Histiocytic Sarcoma	
	Mesenteric	Histiocytic Sarcoma	
	Mesenteric	Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 8-8			
Note: [HISTIO SARC] TGLs = 4-6,8-8			
Mesentery		Histiocytic Sarcoma	
Skin	Subcut Tiss	Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 2-9			
Spleen		Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 6-1,7-1			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Minimal

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1250	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 711
	DOSE: 333 PPM 3-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney	Lung
Lymph Node	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

MISSING

Thymus

INSUFFICIENT TISSUE

Bone Marrow

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 3-9			
Liver	Centrilobular	Cytomegaly	Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin	Subcut Tiss	Fibrosarcoma	
		Ulcer	Moderate
Note: FIBROSARC TGLs = 1-7			
Note: ULCER TGLs = 2-8			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO SKIN TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1251	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 576
	DOSE: 333 PPM 10-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Testes
Trachea			
MISSING			
Pituitary Gland	Thymus		
AUTO PRECLUDES DIAG.			
Gallbladder	Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum
Stomach - Forestomach	Stomach - Glandular	Urinary Bladder	
OBSERVATIONS			
Liver	Centrilobular	Necrosis	Mild
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-7			
Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

Animal Note: CAUSE OF DEATH DUE TO SKIN TUMOR ON BACK

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1252	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Pituitary Gland			
OBSERVATIONS			
Intestine Small	Jejunum	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 5-7			
Liver	Centrilobular	Cytomegaly	Mild
Lung		Alveolar/Bronchiolar Adenoma	
		Lymphoma Malignant Mixed	
Note: ALV BRON ADEN TGLs = 7-2			
Lymph Node	Lumbar	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-3,2-4,3-6,4-8			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 6-5			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1253	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 705
	DOSE: 333 PPM 10-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Pituitary Gland

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Minimal
Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 2-7]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin	Subcut Tiss	Sarcoma	
Note: [SARCOMA] TGLs = 1-8			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: LUNG TUMOR ON SLIDES 2 AND 7 ARE THE SAME TUMOR
Animal Note: MORIBUND SACRIFICE DUE TO SKIN MASS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1254	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 532
	DOSE: 333 PPM 10-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Kidney
Liver	Lung	Lymph Node	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

MISSING

Gallbladder

OBSERVATIONS

Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin	Subcut Tiss	Schwannoma Malignant	
Note: [SCHWANNOMA MAL] TGLs = 1-7			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO SKIN MASS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1255	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
[Cytomegaly TGLS = 2-4]			
Preputial Gland	Duct	Dilatation	Marked
		Inflammation	Chronic Active, Moderate
Note: DILATATION TGLs = 1-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1256	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Pituitary Gland			
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Skin	Subcut Tiss	Fibrosis	Marked
Note: FIBROSIS TGLs = 1-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1257	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 613
	DOSE: 333 PPM 10-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Kidney	Lung
Lymph Node	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Gallbladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Moderate
Liver	Centrilobular	Cytomegaly	Minimal
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 2-1,1-7]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Seminal Vesicle		Dilatation	Mild
[Dilatation TGLS = 3-7]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: PROBABLE CAUSE OF DEATH, LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1258	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 3-5			
Skin	Subcut Tiss	Fibrosarcoma	
		Parasite External	
		Ulcer	Moderate
Note: ULCER TGLs = 2-3			
[Parasite External TGLS = 1-4]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

Animal Note: TUMORS ON SLIDES 1 AND 5 ARE THE SAME TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1259	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3,1-4			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 3,5-6			
Lung		Alveolar/Bronchiolar Adenoma	Multiple
Note: ALV BRON ADEN TGLs = 3-6,4-2			
Preputial Gland	Duct	Dilatation	Marked
Note: DILATATION TGLs = 2-5			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1260	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Liver		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Marked
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
Note: FIBROSIS TGLs = 4-5			
[Hematopoietic Cell Proliferation TGLS = 3-1,2-4]			
[Hepatocellular Carcinoma TGLS = 2-4]			
Lung		Alveolar/Bronchiolar Adenoma	
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1261	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

AUTO PRECLUDES DIAG.

Lymph Node - Mesenteric

OBSERVATIONS

Liver		Hepatoblastoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatoblastoma TGLS = 2-3]			
[Hepatocellular Carcinoma TGLS = 2-1]			
Lung		Hepatoblastoma	Metastatic (Liver)
[Hepatoblastoma TGLS = 1-2]			
Lymph Node	Inguinal	Hepatoblastoma	Metastatic (Liver)
Note: HEPATOBLASTOMA TGLs = 4-5			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL3-4, AUTOLYSIS PRECLUDES DIAGNOSIS OF MESENTERIC LN.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1262	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 1-3]			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	Multiple
[Cytomegaly TGLS = 2-4,3-1]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1263	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Intestine Large - Cecum	Lung	Pituitary Gland	
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2-5,3-3			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 1-6,1-7.1			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

Animal Note: TGL4-4, CECUM IS NSL, PEYERS PATCH

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1264	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Pituitary Gland			
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 3-5			
Lung	Alveolar Epith	Hyperplasia	Mild
Skin		Acanthosis	Mild
	Subcut Tiss	Fibrosarcoma	
		Parasite External	
		Ulcer	Mild
Note: FIBROSARC TGLs = 1-4			
Note: ULCER TGLs = 2-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1265	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Pituitary Gland			
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3			
Liver		Clear Cell Focus	
	Centrilobular	Cytomegaly	Moderate
		Eosinophilic Focus	
		Hepatocellular Carcinoma	
[Cytomegaly TGLS = 2-4]			
Lung	Alveolar Epith	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1266	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 658
	DOSE: 333 PPM 10-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Epididymis	Esophagus
Heart	Islets, Pancreatic	Nose	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Testes	Trachea		

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Urinary Bladder

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7,1-8			
Bone Marrow	Femoral	Lymphoma Malignant Lymphocytic	
Brain		Lymphoma Malignant Lymphocytic	
Kidney		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 5-1			
Liver		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-1,3-1			
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
	Pancreatic	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 6-2,7-4]			
Pancreas		Lymphoma Malignant Lymphocytic	
Prostate		Lymphoma Malignant Lymphocytic	
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 4-1			
Stomach	Glandular	Lymphoma Malignant Lymphocytic	
Thymus		Lymphoma Malignant Lymphocytic	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1266	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 658
	DOSE: 333 PPM 10-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CAUSE OF DEATH, LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1267	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 536
	DOSE: 333 PPM 10-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney
Lymph Node	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 5-7			
Liver		Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 2-1,3-1,4-1			
Lung		Histiocytic Sarcoma	
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 1-1]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1268	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3,1-4			
Liver		Clear Cell Focus	
	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLS = 2-1,4-6]			
[Hepatocellular Carcinoma TGLS = 2-1]			
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3-5			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1269	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 535
	DOSE: 333 PPM 10-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
AUTO PRECLUDES DIAG.			
Intestine Large - Cecum	Intestine Small - Ileum		
OBSERVATIONS			
Kidney	Renal Tubule	Mineralization	Mild
Liver	Centrilobular	Cytomegaly	Minimal
		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 1-1]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Prostate		Inflammation	Chronic Active, Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
Urinary Bladder		Dilatation	Marked
PRIMARY CAUSE OF DEATH	-		

Animal Note: PROBABLE CAUSE OF DEATH, URINARY TRACT OBSTRUCTION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1270	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 3-3			
Liver		Basophilic Focus	
		Clear Cell Focus	
	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-4,5-5			
Note: HEPATOCLR ADEN TGLs = 4-5			
Stomach	Forestomach	Ulcer	Mild
Note: ULCER TGLs = 6-5			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

Animal Note: TGL2-4, 2MM DIAM. NODULE NO ON SECTION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1271	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3			
Liver		Hemangiosarcoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-1			
[Hepatocellular Carcinoma TGLS = 3-4]			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
Note: ALV BRON CARC TGLs = 4-6			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1272	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung
Pituitary Gland

OBSERVATIONS

Bone		Tarsal	Hyperostosis	
Note: HYPEROSTOSIS	TGLs = 1-3,1-4			
Liver		Centrilobular	Cytomegaly	Mild
			Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 6-1			
Lymph Node		Mandibular	Lymphoma Malignant Mixed	
		Mesenteric	Lymphoma Malignant Mixed	
		Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 2-6,5-7,5-8,7-5			
Spleen			Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL	TGLs = 3-5			
Stomach		Forestomach	Squamous Cell Papilloma	
Note: PAPILLOMA SQUA	TGLs = 8-9			
Thyroid Gland		Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL4-5, ADRENAL, NO SIGNIFICANT LESION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1273	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-1]			
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 1-2			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1274	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Pituitary Gland			
OBSERVATIONS			
Liver		Clear Cell Focus	
	Centrilobular	Cytomegaly	Mild
Lung		Alveolar/Bronchiolar Adenoma	Multiple
	Peribronchiolr	Inflammation	Chronic Active, Minimal
Note: ALV BRON ADEN TGLs = 1-2			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1275	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 693
	DOSE: 333 PPM 10-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
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	Kidney	Lung	Pancreas
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea	Urinary Bladder	
MISSING			
Lymph Node	Parathyroid Gland	Pituitary Gland	Thymus
AUTO PRECLUDES DIAG.			
Gallbladder	Nose		
INSUFFICIENT TISSUE			
Adrenal Gland - Cortex	Adrenal Gland - Medulla		
OBSERVATIONS			
Liver		Hepatocellular Adenoma	Multiple
		Infarct	Mild
Note: HEPATOCLR ADEN TGLs = 3-7,4-8			
Lymph Node			
Note: MANDIBULAR LN MISSING			
Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 1-9,2-10]			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 5-1			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		
Animal Note: CAUSE OF DEATH, SKIN TUMORS			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1276	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 740
	DOSE: 333 PPM 10-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea	Urinary Bladder	
MISSING			
Intestine Large - Rectum	Thymus		
AUTO PRECLUDES DIAG.			
Gallbladder	Intestine Large - Cecum		
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-8			
Epididymis		Inflammation	Chronic Active, Marked
Liver	Centrilobular	Cytomegaly	Mild
		Hepatoblastoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-7			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node	Mesenteric	Inflammation	Chronic Active, Mild
Note: MANDIBULAR LN NORMAL			
Note: INFLAMMATION TGLs = 3-4			
Prostate		Inflammation	Chronic Active, Mild
Skin		Acanthosis	Mild
		Parasite External	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		
Animal Note: CAUSE OF DEATH, LIVER TUMOR			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1277	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 724
	DOSE: 333 PPM 10-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7,1-8			
Intestine Large	Colon	Parasite Metazoan	
Liver	Bile Duct	Cyst	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-7			
Note: CYST TGLs = 3-1			
Lung		Alveolar/Bronchiolar Adenoma	Multiple
	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin		Parasite External	

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, LIVER TUMOR
Animal Note: TGL3-1, GALL BLADDER LESION IS REALLY A BILE DUCT CYST

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1278	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 573
	DOSE: 333 PPM 10-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7,1-8			
Liver	Centrilobular	Cytomegaly	Moderate
		Hepatocellular Adenoma	
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Hyperplasia	Macrophage, Marked
Note: HYPERPLASIA TGLs = 3-2			
Note: ALV BRON CARC TGLs = 2-2			
Lymph Node	Mesenteric	Hemorrhage	Marked
Note: MANDIBULAR LN NORMAL			
Note: HEMORRHAGE TGLs = 4-9			
Thymus		Depletion Lymphoid	Moderate
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Minimal

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, LUNG TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1279	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 311
	DOSE: 333 PPM 10-3	**DISP:** Missing	**HISTO:**

PRIMARY CAUSE OF DEATH -

Animal Note: NO TISSUE TAKEN, ANIMAL MISSING ON 9/21/83

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1280	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3,1-4			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
[Cytomegaly TGLS = 3-1]			
Lung		Alveolar/Bronchiolar Carcinoma	
	Peribronchiolr	Inflammation	Chronic Active, Minimal
Note: ALV BRON CARC TGLs = 2-2			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1281	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3,1-4			
Liver		Basophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Infarct	Marked
[Basophilic Focus TGLS = 2-1]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1282	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-4,2-5			
Harderian Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 1-3			
Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 3,4-1			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1283	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 674
	DOSE: 333 PPM 10-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Epididymis
Esophagus	Heart	Kidney	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Testes	Trachea		

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Pancreas	Stomach - Forestomach	Stomach - Glandular	Thymus
Urinary Bladder			

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 3-9,3-10			
Bone Marrow	Femoral	Hyperplasia	Neutrophil, Moderate
Liver		Basophilic Focus	
Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 5-2]			
Lymph Node	Axillary	Fibrosarcoma	Metastatic (Skin)
Note: MANDIBULAR LN AUTOLYSIS			
Note: FIBROSARC TGLs = 4-7			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-8			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 2-1]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, SKIN TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1284	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: 333 PPM 10-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	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	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Lymph Node	Salivary Glands

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 3-9,3-10			
Bone Marrow	Femoral	Hyperplasia	Neutrophil, Moderate
Epididymis		Inflammation	Chronic Active, Mild
Liver		Hematopoietic Cell Proliferation	Moderate
		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 5-7			
Lung		Fibrosarcoma	Metastatic (Skin)
Note: FIBROSARC TGLs = 4-2			
Lymph Node			
Note: MANDIBULAR LN MISSING			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-8			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 2-1			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO SKIN TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1285	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3,1-4			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-5			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1286	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Pituitary Gland			
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-3,1-4			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
[Cytomegaly TGLS = 2-5,3-6,4-7]			
Lung		Alveolar/Bronchiolar Adenoma	
Stomach	Forestomach	Acanthosis	Moderate
Note: ACANTHOSIS TGLs = 5-8			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1287	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 707
	DOSE: 333 PPM 10-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	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	Lung	Nose
Pituitary Gland	Prostate	Stomach - Forestomach	Testes
Trachea			

MISSING

Parathyroid Gland	Salivary Glands	Thymus

OBSERVATIONS

Bone Marrow	Femoral	Lymphoma Malignant Mixed	
Brain		Lymphoma Malignant Mixed	
Epididymis		Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 5-1			
Liver		Hematopoietic Cell Proliferation	Moderate
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 4-7			
Lymph Node	Deep Cervical	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-6			
Pancreas		Lymphoma Malignant Mixed	
Skin	Subcut Tiss	Lymphoma Malignant Mixed	
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 3-1			
Stomach	Glandular	Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
Urinary Bladder		Lymphoma Malignant Mixed	

PRIMARY CAUSE OF DEATH -

Animal Note: SUBCUTIS LYMPHOMA
Animal Note: CAUSE OF DEATH, LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1287	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 707
	DOSE: 333 PPM 10-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL2-6,IS DEEP CERVICAL LYMPH NODE
Animal Note: TGL1-5, HARDERIAN GLAND NORMAL, MASS IS PART OF

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1288	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Pituitary Gland		

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 2-3,2-4]			
Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 3-1,4-5]			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-6			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1289	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-8,1-9			
Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 5-1,5-3]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Preputial Gland		Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 3-7			
Skin		Ulcer	Mild
Note: ULCER TGLs = 2-6			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 4-4			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 7-10			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL6-5, LUNG NODULE NOT FOUND AT TRIM

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1290	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-4,1-5			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-3			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Perivascular	Inflammation	Chronic Active, Mild
Spleen		Hyperplasia	Lymphoid, Moderate
Note: [HYPERPLASIA] TGLs = 3-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1291	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 663
	DOSE: 333 PPM 10-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Kidney	Parathyroid Gland
Pituitary Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 1-10,1-11]			
Intestine Small	Jejunum	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 5-4			
Liver	Centrilobular	Cytomegaly	Minimal
		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 3-7,3-8,3-9			
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-6			
Mesentery		Inflammation	Chronic Active, Moderate
Nose	Submucosa	Lymphoma Malignant Lymphocytic	
Pancreas	Acinus	Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 4-4			
Prostate		Lymphoma Malignant Lymphocytic	
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA AND INFLAMMATION
Animal Note: TGL4-4, ENLARGED MESENTERIC LN. ND. IS INFLAMMED PANCREAS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1292	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Small	Pituitary Gland		

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 2-5,2-6]			
Liver	Centrilobular	Cytomegaly	Mild
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 1-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL3-4, LIVER NODULE NOT ON SECTION
Animal Note: TGL4-7, JEJUNUM PEYERS PATCHES, NSL

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1293	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-4,1-5			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
	Central Vein	Thrombosis	
[Cytomegaly TGLS = 2-3]			
Lung	Peribronchial	Inflammation	Chronic Active, Minimal
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1294	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 669
	DOSE: 333 PPM 10-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Nose	Pancreas
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland	Pituitary Gland	Thyroid Gland

OBSERVATIONS

Harderian Gland		Adenoma	
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-1			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 2-7			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LIVER AND SKIN TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1295	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 395
	DOSE: 333 PPM 10-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Rectum	Intestine Small - Jejunum	Kidney	Liver
Lung	Lymph Node	Nose	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
MISSING			
Intestine Large - Colon	Thymus		
AUTO PRECLUDES DIAG.			
Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Pancreas			
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Prostate		Inflammation	Chronic Active, Mild
Thyroid Gland	Artery	Inflammation	Chronic Active, Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Minimal
Note: INFLAMMATION IS AROUND THE ARTERIES			
Urinary Bladder		Dilatation	Marked
PRIMARY CAUSE OF DEATH	-		

Animal Note: BROBABLE CAUSE OPF DEATH URINARY OBSTRUCTION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1296	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland	Stomach - Glandular	
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-4,2-5			
Liver	Centrilobular	Cytomegaly	Mild
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-3			
Stomach	Forestomach	Cyst Epithelial Inclusion	
Note: CYST EPITH INC TGLs = 3-6			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1297	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis
[Hyperostosis TGLS = 1-3,1-4]		
Liver		Hepatocellular Carcinoma
[Hepatocellular Carcinoma TGLS = 3-1]		
Thyroid Gland	Follicular Cel	Adenoma
[Adenoma TGLS = 4-2]		

PRIMARY CAUSE OF DEATH -

Animal Note: TGL2-5, MANDIBULAR LN WITHIN NORMAL LIMITS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1298	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Pituitary Gland			
OBSERVATIONS			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-3			
Liver	Bile Duct	Cyst	
	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
		Mixed Cell Focus	
Note: [MIXED CL FOCUS] TGLs = 4-1,5-1			
Note: CYST TGLs = 3-1			
Lung		Alveolar/Bronchiolar Adenoma	
Skin	Subcut Tiss	Neurofibrosarcoma	
Note: NEUROFIBROSARC TGLs = 1-4			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1299	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 562
	DOSE: 333 PPM 10-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Trachea	Urinary Bladder		
MISSING			
Thymus			
AUTO PRECLUDES DIAG.			
Gallbladder	Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum
OBSERVATIONS			
Adrenal Gland	Cortex	Hypertrophy	Mild
Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 1-2]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Nose	Mucosa	Inflammation	Acute, Moderate
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Minimal
PRIMARY CAUSE OF DEATH	-		
Animal Note: CAUSE OF DEATH LUNG TUMOR			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1300	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 747
	DOSE: 333 PPM 10-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Kidney	Lymph Node	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Liver	Centrilobular	Cytomegaly	Mild
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 2-7]			
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 1-8]			
Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO SKIN TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1301	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Kidney
Lymph Node	Nose	Pancreas	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland	Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Liver	Centrilobular	Cytomegaly	Minimal
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 4-1+9+10			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Skin	Subcut Tiss	Sarcoma	Multiple
Note: SARCOMA TGLs = 1,2-7+8			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: HYPERPLASIA TGLs = 3-6			
Note: ADENOMA TGLs = 3-6			

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1302	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 671
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node	Nose	Parathyroid Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

MISSING

Gallbladder	Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Intestine Large	Rectum	Parasite Metazoan	
Note: PARASITE META TGLs = 3-4			
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 1-1+7			
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Mild
Note: ALV BRON CARC TGLs = 2-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pancreas	Acinus	Atrophy	Marked
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Marked

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND DUE TO HEPATOCELLULAR NEOPLASIA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1303	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 688
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Lung	Lymph Node	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

MISSING

Gallbladder

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	
Intestine Small	Jejunum	Inflammation	Chronic Active, Marked
	Jejunum	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 1-7			
Note: INFLAMMATION TGLs = 1-7			
Kidney		Lymphoma Malignant Mixed	
Liver		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant Mixed	
Note: HEPATOCLR CARC TGLs = 2,3,4-1			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: ADENOMA TGLs = 5-6			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1303	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 688
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA TGLs = 5-6

PRIMARY CAUSE OF DEATH -

Animal Note: COD: LYMPHOMA & INFLAMMATION OF JEJUNUM.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1304	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 636
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Kidney
Lymph Node	Nose	Pancreas	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland	Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	Multiple
		Infarct	Marked
Note: HEPATOCLR CARC TGLs = 3,4-1+9			
Note: INFARCT TGLs = 2-8			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Note: ENLARGED PANCREATIC LN WAS ACTUALLY NECROTIC LIVER TISSUE.			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Skin	Subcut Tiss	Fibrosarcoma	
		Parasite External	
Note: FIBROSARC TGLs = 1,5-7			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND DUE TO HEPATOCELLULAR NEOPLASIA & FIBROSARCOMA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1305	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 525
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	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
Nose	Pancreas	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Bone Marrow	Femoral	Hyperplasia	Neutrophil, Marked
Kidney		Fibrosarcoma	Metastatic (Skin)
Note: FIBROSARC TGLs = 4,5-1			
Liver	Centrilobular	Cytomegaly	Minimal
		Fibrosarcoma	Metastatic (Skin)
		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
Note: FIBROSARC TGLs = 3-1+9			
Lung		Fibrosarcoma	Metastatic (Skin)
Note: FIBROSARC TGLs = 7-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 6-7+8			
Spleen		Fibrosarcoma	Metastatic (Skin)
		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 1-1			
[Hematopoietic Cell Proliferation TGLS = 2-1]			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1305	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 525
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

Animal Note: COD: FIBROSARCOMA THAT METASTASIZED WIDELY.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1306	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 669
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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 - Mesenteric
Nose	Pancreas	Parathyroid Gland	Penis
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Minimal
		Hepatocellular Carcinoma	Multiple
		Infarct	Minimal
Note: HEPATOCLR CARC TGLs = 5-1+8			
Lung		Alveolar/Bronchiolar Adenoma	Multiple
Note: ALV BRON ADEN TGLs = 4-2			
Lymph Node			
Note: MESENTERIC LN WITHIN NORMAL LIMITS ON MICRO.			
Note: MANDIBULAR LN NORMAL.			
Penis			
Note: PENIS WITHIN NORMAL LIMITS ON MICRO (TGL#1).			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
Preputial Gland		Inflammation	Chronic Active, Mild
Note: INFLAMMATION TGLs = 2-7			
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Carcinoma	Multiple
	Follicular Cel	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1306	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 669
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: HYPERPLASIA TGLs = 3-6			
Note: ADENOMA TGLs = 3-6			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND DUE TO HEPATOCELLULAR NEOPLASIA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1307	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 3
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Colon	Islets, Pancreatic	Kidney	Liver
Lymph Node	Nose	Pancreas	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			
MISSING			
Parathyroid Gland	Pituitary Gland	Thymus	
AUTO PRECLUDES DIAG.			
Gallbladder	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum		
OBSERVATIONS			
Lung	Peribronchiolr	Inflammation	Necrotizing, Acute, Marked
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
PRIMARY CAUSE OF DEATH	-		
Animal Note: COD: PULMONARY INFLAMMATION.			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1308	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 241
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea	Urinary Bladder	

OBSERVATIONS

Kidney	Renal Tubule	Necrosis	Mild
Liver	Centrilobular	Cytomegaly	Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Thymus		Necrosis	Diffuse, Moderate
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Urethra		Inflammation	Suppurative, Moderate
Urin Bladder			
Note: ENLARGED U BLADDER WITHIN NORMAL LIMITS ON MICRO.			

PRIMARY CAUSE OF DEATH -

Animal Note: COD: URETHRAL OBSTRUCTION DUE TO INFLAMMATION.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1309	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 199
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Kidney	Lung	Lymph Node	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Testes	Trachea	
AUTO PRECLUDES DIAG.			
Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Pancreas	Spleen	Stomach - Forestomach	Stomach - Glandular
Urinary Bladder			
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Seminal Vesicle		Dilatation	Mild
Note: DILATATION TGLs = 2-8			
Skin			
Note: SKIN WITHIN NORMAL LIMITS ON MICRO.			
Thymus		Necrosis	Diffuse, Moderate
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Marked
Urethra		Inflammation	Suppurative, Minimal
Urin Bladder			
Note: U BLADDER WITHIN NORMAL LIMITS ON MICRO.			
PRIMARY CAUSE OF DEATH	-		
Animal Note: COD: UNDETERMINED.			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1310	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 671
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

MISSING

Prostate	Thymus

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Harderian Gland		Inflammation	Chronic Active, Marked
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Minimal
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 3-1+7			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-4			
Note: MANDIBULAR LN NORMAL.			
Skin		Parasite External	
Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 1-1]			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Tooth	Peridont Tiss	Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1310	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 671
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: MORIBUND DUE TO LYMPHOMA & HEPATOCELLULAR NEOPLASIA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1311	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Nose	Pancreas	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Harderian Gland		Adenoma	
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Minimal
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 1-1+7			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1312	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Kidney	Pancreas
Prostate	Salivary Glands	Skin	Spleen
Stomach - Glandular	Testes	Trachea	Urinary Bladder

MISSING

Lymph Node	Parathyroid Gland	Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-9			
Ear	Pinna	Hemangioma	
Note: HEMANGIOMA TGLs = 1-8			
Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 3-7			
Lung		Inflammation	Chronic, Diffuse, Moderate
Note: INFLAMMATION TGLs = 5-2			
Nose	Mucosa	Inflammation	Acute, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Stomach	Forestomach	Inflammation	Acute, Mild
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: HYPERPLASIA TGLs = 4-6			
Note: ADENOMA TGLs = 4-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1313	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea			

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Epididymis	Arteriole	Inflammation	Chronic Active, Minimal
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 2-7]			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 1-8			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Prostate	Arteriole	Inflammation	Chronic Active, Minimal
Skin		Parasite External	
Testes	Arteriole	Inflammation	Chronic Active, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Urinary Bladder	Arteriole	Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH -

Animal Note: THE ESOPHAGUS HAS A METAZOAN PARASITE

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1314	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 726
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Kidney
Lung	Nose	Prostate	Salivary Glands
Stomach - Forestomach	Testes	Trachea	Urinary Bladder

MISSING

Gallbladder	Parathyroid Gland	Thymus

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Harderian Gland		Inflammation	Suppurative, Marked
Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 6,7-1+11			
Lymph Node	Lumbar	Lymphoma Malignant Undifferentiated Cell Type	
	Pancreatic	Lymphoma Malignant Undifferentiated Cell Type	
	Renal	Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 1,2,3-6+7+8+9			
Note: MANDIBULAR LN NORMAL.			
Mesentery		Lymphoma Malignant Undifferentiated Cell Type	
Pancreas	Acinus	Atrophy	Marked
		Lymphoma Malignant Undifferentiated Cell Type	
Skin	Subcut Tiss	Inflammation	Chronic Active, Minimal
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
[Lymphoma Malignant Undifferentiated Cell Type TGLS = 4,5-10]			
Stomach	Glandular	Lymphoma Malignant Undifferentiated Cell Type	
Thyroid Gland	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: HYPERPLASIA TGLs = 8-6			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1314	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 726
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

Animal Note: COD: LYMPHOMA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1315	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Nose	Pancreas
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland	Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Cortex	Hypertrophy	Minimal
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7+8			
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 2-1+9			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1316	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Islets, Pancreatic	Lymph Node
Nose	Pancreas	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Heart		Hemangioma	
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 1-1+7			
Lung		Hepatoblastoma	Metastatic (Uncertain Primary Site)
Note: NEOPLASM RESEMBLES HEPATOBLASTOMA BUT NOT SEEN IN LIVER.			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1317	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node	Nose	Pancreas	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea	Urinary Bladder	

MISSING

Epididymis	Gallbladder	Parathyroid Gland	Thymus

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-8			
Harderian Gland		Inflammation	Chronic Active, Mild
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Minimal
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 1-7			
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: HYPERPLASIA TGLs = 3-6			
Note: ADENOMA TGLs = 3-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1318	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 226
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Small - Duodenum	Lung	Nose
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea		
MISSING			
Lymph Node	Parathyroid Gland		
AUTO PRECLUDES DIAG.			
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Pancreas		
OBSERVATIONS			
Adrenal Gland	Cortex	Hypertrophy	Minimal
Kidney	Pelvis	Inflammation	Suppurative, Mild
Note: WHITE FOCUS MAY HAVE BEEN FAT IN THE CAPSULE.			
Liver	Centrilobular	Cytomegaly	Minimal
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Marked
Urethra		Inflammation	Suppurative, Mild
Urinary Bladder		Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 1-4			
PRIMARY CAUSE OF DEATH	-		
Animal Note: COD: URINARY INFLAMMATION.			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1319	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Islets, Pancreatic	Nose
Parathyroid Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gl			
Note: "ENLARGED" ADRENAL WAS WITHIN NORMAL LIMITS ON MICRO.			
Harderian Gland		Inflammation	Suppurative, Mild
Heart	Artery	Inflammation	Chronic Active, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Mild
		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 3-7			
Note: HEPATOBLASTOMA TGLs = 3-7			
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 4-8			
Note: MANDIBULAR LN NORMAL.			
Mesentery		Angiectasis	Mild
Pancreas	Acinus	Atrophy	Minimal
	Perivascular	Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1319	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Skin		Parasite External	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: HYPERPLASIA TGLs = 1-6			
Note: ADENOMA TGLs = 1-6			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1320	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Nose	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	Urinary Bladder

MISSING

Parathyroid Gland	Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Moderate
Bone Marrow	Femoral	Lymphoma Malignant Lymphocytic	
Epididymis		Lymphoma Malignant Lymphocytic	
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Minimal
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Infarct	Mild
		Lymphoma Malignant Lymphocytic	
Note: HEPATOCLR CARC TGLs = 1-1+7			
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: MANDIBULAR LN NORMAL.			
Note: LYMPH MAL LYMP TGLs = 3-8			
Pancreas		Lymphoma Malignant Lymphocytic	
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
Prostate		Lymphoma Malignant Lymphocytic	
Seminal Vesicle		Lymphoma Malignant Lymphocytic	
Skin		Parasite External	
Spleen		Hemangiosarcoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1320	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

		Lymphoma Malignant Lymphocytic	
[Hemangiosarcoma TGLS = 2-1]			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1321	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Nose	Pancreas	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland	Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-10			
Bone Marrow	Femoral	Lymphoma Malignant Mixed	
Harderian Gland		Inflammation	Suppurative, Marked
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Minimal
Note: HEPATOCLR CARC TGLs = 4,5-1+7			
Lung	Alveolar Epith	Hyperplasia	Moderate
	Peribronchiolr	Inflammation	Chronic Active, Mild
Note: INFLAMMATION TGLs = 8-2			
Note: HYPERPLASIA TGLs = 7-2			
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: MANDIBULAR LN NORMAL.			
Note: LYMPH MAL MIXD TGLs = 3,6-8+9			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
Skin		Parasite External	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1321	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 2-1]			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: HYPERPLASIA TGLs = 9-6			
Note: ADENOMA TGLs = 9-6			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1322	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 694
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Nose	Pancreas	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Eye		Atrophy	Marked
Note: ATROPHY TGLs = 1-7			
Harderian Gland		Adenoma	
		Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 2-5			
Note: ADENOMA TGLs = 2-7			
Kidney		Nephropathy	Chronic, Minimal
Liver		Hematopoietic Cell Proliferation	Moderate
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 3,4-1+8			
Lung	Peribronchiolr	Inflammation	Chronic Active, Moderate
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
Skin		Parasite External	
Spleen			
Note: SMALL SPLEEN WITHIN NORMAL LIMITS ON MICRO.			
Thyroid Gland	Follicular Cel	Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1322	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 694
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Follicular Cel	Carcinoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: CARCINOMA TGLs = 5-6			
Note: ADENOMA TGLs = 5-6			
Note: HYPERPLASIA TGLs = 5-6			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1323	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 672
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Trachea	Urinary Bladder		

MISSING

Pituitary Gland	Thymus

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-10+11			
Eye		Atrophy	Mild
		Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 2-7			
Harderian Gland		Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 3,4-5			
Intestine Large	Colon	Parasite Metazoan	
Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 5-1+8			
Lung		Hepatoblastoma	Metastatic (Liver)
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Prostate		Inflammation	Suppurative, Minimal
Skin	Subcut Tiss	Inflammation	Chronic Active, Minimal
		Parasite External	
Note: PARASITE EXT TGLs = 6-9			
Note: INFLAMMATION TGLs = 6-9			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1323	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 672
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Minimal
	Follicular Cel	Vacuolization Cytoplasmic	Marked

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND DUE TO HEPATIC NEOPLASIA & HARDERIAN INFLAMMATION.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1324	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 672
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-8+9			
Harderian Gland		Inflammation	Chronic Active, Moderate
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Minimal
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 3-1+10			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin	Subcut Tiss	Inflammation	Chronic Active, Minimal
		Parasite External	
Note: PARASITE EXT TGLs = 1-2+7			
Note: INFLAMMATION TGLs = 1-2+7			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1324	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 672
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: MORIBUND DUE TO HEPATOCELLULAR CARCINOMAS.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1325	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 650
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Colon	Intestine Small - Duodenum	Islets, Pancreatic	Kidney
Lymph Node	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			
MISSING			
Gallbladder	Intestine Large - Rectum	Intestine Small - Jejunum	Thymus
AUTO PRECLUDES DIAG.			
Intestine Large - Cecum	Intestine Small - Ileum		
OBSERVATIONS			
Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 1,2-1+7			
Lung		Alveolar/Bronchiolar Adenoma	Multiple
	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Marked
PRIMARY CAUSE OF DEATH	-		

Animal Note: COD: HEPATOCELLULAR NEOPLASIA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1326	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 710
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea	Urinary Bladder	
MISSING			
Intestine Small - Duodenum	Thymus		
AUTO PRECLUDES DIAG.			
Gallbladder			
OBSERVATIONS			
Eye		Atrophy	Marked
Note: ATROPHY TGLs = 1-7			
Intestine Large	Colon	Parasite Metazoan	
Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 2-1+8			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

Animal Note: COD: HEPATOCELLULAR CARCINOMAS.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1327	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lung
Lymph Node	Nose	Pancreas	Prostate
Spleen	Stomach - Forestomach	Testes	Trachea
Urinary Bladder			

MISSING

Gallbladder	Parathyroid Gland	Thymus

OBSERVATIONS

Eye		Inflammation	Marked
Note: [INFLAMMATION] TGLs = 1-7			
Harderian Gland		Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 2-5			
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Minimal
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 4-1+8+9			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands	Acinus	Atrophy	Mild
Skin		Parasite External	
Stomach	Glandular	Inflammation	Chronic, Mild
Note: META PARASITE NEAR MUCOSAL SURFACE CONSIDERED ARTIFACTUAL.			
Thyroid Gland	Follicular Cel	Carcinoma	Multiple
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1327	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [CARCINOMA] TGLs = 3-6
Note: HYPERPLASIA TGLs = 3-6

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1328	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Nose
Parathyroid Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Testes	Trachea
Urinary Bladder			

MISSING

Gallbladder	Thymus

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7			
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Minimal
Note: HEPATOCLR CARC TGLs = 2-8+9			
[Hepatocellular Carcinoma TGLS = 2-8]			
Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Mild
Note: ALV BRON ADEN TGLs = 3-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Stomach	Glandular	Dysplasia	Mild
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1328	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1329	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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
Nose	Pancreas	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7			
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 2-1+8			
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1330	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 618
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	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
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

MISSING

Thymus

AUTO PRECLUDES DIAG.

Bone Marrow

OBSERVATIONS

Harderian Gland		Inflammation	Suppurative, Moderate
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatoblastoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
		Sarcoma	Metastatic (Uncertain Primary Site)
Note: HEPATOCLR CARC TGLs = 3,4,5-1+9			
Lymph Node	Pancreatic	Sarcoma	Metastatic (Skin)
Note: MANDIBULAR LN NORMAL.			
Note: [SARCOMA] TGLs = 2-7			
Mesentery		Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin	Subcut Tiss	Sarcoma	
Note: [SARCOMA] TGLs = 1-8			
Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1330	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 618
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

Animal Note: MORIBUND DUE TO SARCOMA & HEPATIC NEOPLASMS.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1331	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 723
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Islets, Pancreatic	Kidney
Lymph Node	Nose	Pancreas	Parathyroid Gland
Prostate	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Harderian Gland		Inflammation	Chronic Active, Marked
Heart		Bacterium	Acute, Multiple, Minimal
	Valve	Inflammation	Suppurative, Minimal
Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 1,2-1+7]			
Lung	Arteriole, Capillary	Inflammation	Suppurative, Marked
	Artery, Mediastinum	Inflammation	Suppurative, Marked
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Salivary Glands	Perivascular	Inflammation	Suppurative, Moderate
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Marked

PRIMARY CAUSE OF DEATH -

Animal Note: COD: WIDESPREAD INFLAMMATION & HEPATIC NEOPLASIA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1332	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney
Lung	Lymph Node	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7+8			
Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 2-1+9]			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1333	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node
Nose	Pancreas	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland	Thymus

OBSERVATIONS

Eye		Atrophy	Marked
Intestine Small	Ileum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 1-1+7			
Lung		Carcinoma	Metastatic (Thyroid Gland)
Note: CARCINOMA IS FOLLICULAR CELL ORIGIN.			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin	Subcut Tiss	Inflammation	Chronic Active, Minimal
Thyroid Gland	Follicular Cel	Carcinoma	Multiple
	Follicular Cel	Hyperplasia	Mild
Note: CARCINOMA TGLs = 2-6			

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1334	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 690
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	Urinary Bladder

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Hemangiosarcoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Marked
Note: HEPATOCLR CARC TGLs = 1,2,3-1+7			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Marked

PRIMARY CAUSE OF DEATH -

Animal Note: COD: HEPATIC NEOPLASIA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1335	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Kidney	Lymph Node	Nose	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea		
MISSING			
Thymus			
AUTO PRECLUDES DIAG.			
Gallbladder	Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Pancreas	Pituitary Gland
Prostate	Spleen	Urinary Bladder	
OBSERVATIONS			
Harderian Gland		Inflammation	Suppurative, Marked
Intestine Large	Colon	Inflammation	Necrotizing, Acute, Marked
	Colon	Parasite Metazoan	
	Rectum	Parasite Metazoan	
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 1-1+7			
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Mesentery		Inflammation	Necrotizing, Acute, Moderate
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

Animal Note: COD: INFLAMMATION OF COLON & MESENTERY.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1336	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 700
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Jejunum	Kidney	Lung
Lymph Node	Nose	Parathyroid Gland	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder
MISSING			
Gallbladder	Pituitary Gland		
AUTO PRECLUDES DIAG.			
Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Pancreas			
OBSERVATIONS			
Heart		Hemangioma	
Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Marked
Note: HEPATOCLR CARC TGLs = 1,2-1+7			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		
Animal Note: COD: HEPATIC NEOPLASMS.			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1337	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 576
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Kidney
Lung	Lymph Node	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
Harderian Gland		Inflammation	Chronic Active, Moderate
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 2,3,4,5-1+8+9			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Skin	Subcut Tiss	Edema	Marked
	Subcut Tiss	Fibrosarcoma	
	Subcut Tiss	Fibrosis	Moderate
Note: FIBROSARC TGLs = 1-7			
[Fibrosis TGLS = 6-10]			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1337	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 576
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: MORIBUND DUE TO HEPATIC & SKIN NEOPLASIA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1338	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 636
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Kidney
Lymph Node	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Trachea	Urinary Bladder		

MISSING

Gallbladder

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Harderian Gland		Inflammation	Chronic Active, Minimal
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 2,5-1+8			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Mild
Note: HEPATOCLR CARC TGLs = 3-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Basosquamous Tumor Malignant	
Note: SKIN MASS MAY BE VARIANT OF ZYMBALS TUMOR			
Note: BASOSQU TM MAL TGLs = 1-7			
Stomach	Glandular	Inflammation	Chronic, Mild
Testes	Seminif Tub	Degeneration	Mild
Note: DEGEN TGLs = 4-6			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1338	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 636
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

Animal Note: MORIBUND DUE TO SKIN & HEPATIC NEOPLASIA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1339	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 715
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Kidney	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	Urinary Bladder

MISSING

Lymph Node	Thymus

OBSERVATIONS

Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 3-8+9]			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin	Subcut Tiss	Fibrosarcoma	
		Parasite External	
Note: FIBROSARC TGLs = 1-7			
Spleen			
Note: SMALL SPLEEN WAS WITHIN NORMAL LIMITS ON MICRO.			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: HYPERPLASIA TGLs = 4-6			
Note: ADENOMA TGLs = 4-6			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND DUE TO HEPATIC AND SKIN TUMORS.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1340	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 694
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Kidney
Lymph Node	Nose	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Testes	Trachea
Urinary Bladder			
MISSING			
Parathyroid Gland	Thymus		
AUTO PRECLUDES DIAG.			
Gallbladder	Intestine Large - Cecum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Pancreas	Stomach - Glandular	
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Minimal
		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 2-1+7			
Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Mild
Note: ALV BRON ADEN TGLs = 3-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-8			
Spleen		Hemangiosarcoma	
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1340	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 694
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: COD: HEPATIC NEOPLASMS & SKIN SARCOMA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1341	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Spleen	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney	Renal Tubule	Adenoma	
Note: ADENOMA TGLs = 3-8			
Liver	Centrilobular	Cytomegaly	Minimal
		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Infarct	Marked
Note: HEPATOBLASTOMA TGLs = 1-9			
Note: HEPATOCLR CARC TGLs = 1-1+9			
Lung		Hepatoblastoma	Metastatic (Liver)
Lymph Node	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: NO MANDIBULAR LN.			
Note: LYMPH MAL LYMP TGLs = 2-7			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin	Subcut Tiss	Inflammation	Chronic Active, Minimal
		Parasite External	
Stomach	Forestomach	Acanthosis	Mild
Note: HYPERPLASIA TGLs = 4-4			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1341	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1342	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Kidney	Lung
Lymph Node	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	Urinary Bladder

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Moderate
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7+8			
Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Minimal
Note: HEPATOCLR CARC TGLs = 2-1+9			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1343	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7+8			
Intestine Large	Colon	Parasite Metazoan	
Intestine Small	Ileum	Parasite Metazoan	
Liver	Centrilobular	Cytomegaly	Minimal
		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 3-1+9]			
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Hyperplasia	Macrophage, Mild
	Perivascular	Inflammation	Chronic Active, Mild
Note: ALV BRON ADEN TGLs = 2-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Intermed	Adenoma	
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1344	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 582
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Kidney	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea	Urinary Bladder	

MISSING

Skin	Thymus

OBSERVATIONS

Liver		Hepatocellular Carcinoma	
		Histiocytic Sarcoma	
		Infarct	Moderate
Note: [HISTIO SARC] TGLs = 1,2-1+7			
[Hepatocellular Carcinoma TGLS = 5-7]			
Lung		Histiocytic Sarcoma	
Lymph Node	Mesenteric	Histiocytic Sarcoma	
Note: MANDIBULAR LN NORMAL.			
Note: [HISTIO SARC] TGLs = 4-4			
Note: MESENTERIC LN MISSING; RECUT ORDERED.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 3-1			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Marked

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND DUE TO LYMPHOMA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1345	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 689
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Parathyroid Gland	Stomach - Forestomach	Stomach - Glandular
Trachea			

MISSING

Pituitary Gland	Thymus

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Lymphocytic	
	Medulla	Lymphoma Malignant Lymphocytic	
Blood		Lymphoma Malignant Lymphocytic	
Bone Marrow	Femoral	Lymphoma Malignant Lymphocytic	
Brain		Infarct	Moderate
		Lymphoma Malignant Lymphocytic	
Epididymis		Lymphoma Malignant Lymphocytic	
Heart		Lymphoma Malignant Lymphocytic	
Kidney		Lymphoma Malignant Lymphocytic	
Liver		Hepatocellular Adenoma	Multiple
		Infarct	Moderate
		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 3-1			
Note: INFARCT TGLs = 3-1			
Lung	Mediastinum	Lymphoma Malignant Lymphocytic	
		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
Mesentery		Lymphoma Malignant Lymphocytic	
Nose		Lymphoma Malignant Lymphocytic	
Pancreas		Lymphoma Malignant Lymphocytic	
Preputial Gland	Duct	Dilatation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1345	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 689
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Suppurative, Moderate
		Lymphoma Malignant Lymphocytic	
Note: INFLAMMATION TGLs = 1-6			
Prostate		Lymphoma Malignant Lymphocytic	
Salivary Glands		Lymphoma Malignant Lymphocytic	
Skin	Subcut Tiss	Lymphoma Malignant Lymphocytic	
Spleen		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 2-1]			
Testes		Lymphoma Malignant Lymphocytic	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
		Lymphoma Malignant Lymphocytic	
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Tooth	Peridont Tiss	Lymphoma Malignant Lymphocytic	
	Pulp	Lymphoma Malignant Lymphocytic	
Urinary Bladder		Lymphoma Malignant Lymphocytic	

PRIMARY CAUSE OF DEATH -

Animal Note: COD: LYMPHOMA THAT WAS LEUKEMIC.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1346	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

MISSING

Gallbladder	Pituitary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7+8			
Eye		Atrophy	Mild
Note: ATROPHY TGLs = 2-9			
Harderian Gland		Adenoma	
Note: ADENOMA TGLs = 3-9			
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 4-1+10+11			
Lung	Peribronchiolr	Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 7-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Carcinoma	Multiple
	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: CARCINOMA TGLs = 5,6-6			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1346	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA TGLs = 5,6-6

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1347	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	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
Kidney	Lymph Node	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7			
Harderian Gl			
Note: ENLARGED HARDERIANS WITHIN NORMAL LIMITS ON MICRO.			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Minimal
Note: HEPATOCLR CARC TGLs = 2,3-1+9			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 4-6			
Note: ADENOMA TGLs = 4-6			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND DUE TO HEPATIC NEOPLASIA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1348	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	Urinary Bladder

MISSING

Gallbladder	Thymus

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 4-7+8			
Intestine Large	Colon	Parasite Metazoan	
	Rectum	Parasite Metazoan	
Intestine Small	Ileum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Mild
Liver	Centrilobular	Cytomegaly	Minimal
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 3-1+9			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Mild
Note: HEPATOCLR CARC TGLs = 1-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: ADENOMA TGLs = 2-6			
Note: HYPERPLASIA TGLs = 2-6			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1348	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1349	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node	Nose	Pancreas
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	Urinary Bladder

MISSING

Parathyroid Gland	Thymus

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7+8			
Harderian Gland		Adenoma	
		Inflammation	Chronic Active, Minimal
Intestine Large	Colon	Parasite Metazoan	
Intestine Small	Ileum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Minimal
		Hepatocellular Carcinoma	Multiple
		Infarct	Marked
Note: HEPATOCLR CARC TGLs = 2-1+9			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Moderate
Note: HEPATOCLR CARC TGLs = 3-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1349	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth	Incisor, Upper	Dysplasia	Minimal
Urin Bladder			
Note: PARASITES IN LUMEN CONSIDERED ARTIFACT.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1350	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 1-1+7			
Lung		Alveolar/Bronchiolar Carcinoma	
	Peribronchiolr	Inflammation	Chronic Active, Minimal
Note: ALV BRON CARC TGLs = 2-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Marked
Note: HYPERPLASIA TGLs = 3-6			
Note: ADENOMA TGLs = 3-6			
Tooth	Peridont Tiss	Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1351	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 663
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Nose	Pancreas	Parathyroid Gland
Penis	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Moderate
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 3-7			
Note: HEPATOCLR ADEN TGLs = 3-1			
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Penis			
Note: PENIS WITHIN NORMAL LIMITS ON MICRO (TGL #1).			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland	Duct	Dilatation	Mild
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Urin Bladder			
Note: DILATED URINARY BLADDER WITHIN NORMAL LIMITS ON MICRO.			

PRIMARY CAUSE OF DEATH -

Animal Note: COD: HEPATOCELLULAR NEOPLASIA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1351	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 663
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1352	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 449
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Islets, Pancreatic
Kidney	Lymph Node	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Testes	Thymus
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	Stomach - Glandular

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
Liver	Centrilobular	Cytomegaly	Moderate
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3-1,4-1,5-1,6-8			
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: NOT ALL FOLL EPITH IS VACUOLATED; NORMAL EPITH HAS			
Note: MORE DENSELY EOSINOPHILIC COLLOID THAN VACUOLATED CELLS.			
Urethra		Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 2-7			
Urin Bladder			
Note: DILATED URINARY BLADDER WITHIN NORMAL LIMITS ON MICRO.			

PRIMARY CAUSE OF DEATH -

Animal Note: COD: HEPATOCELLULAR NEOPLASIA & URETHRAL INFLAMMATION.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1353	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 1-1+7			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC TGLs = 2-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1354	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN TGLs = 4-6			
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7+8			
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 2-1+10			
Lung		Fibrosarcoma	Metastatic (Skin)
		Hepatocellular Carcinoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 5-9			
Spleen			
Note: ENLARGED SPLEEN WITHIN NORMAL LIMITS ON MICRO.			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1354	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1355	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 685
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Kidney	Lymph Node
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-7+8			
Liver	Centrilobular	Cytomegaly	Moderate
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Infarct	Moderate
Note: [HEPATOCLR ADEN] TGLs = 4,5-1			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 3-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-9			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Carcinoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: CARCINOMA TGLs = 6-6			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1355	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 685
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 6-6	
PRIMARY CAUSE OF DEATH	-

Animal Note: MORIBUND DUE TO LIVER, LUNG, THYROID & SUBQ NEOPLASIA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1356	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 260
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Bone	Esophagus	Heart	Skin
MISSING			
Spleen			
AUTO PRECLUDES DIAG.			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Gallbladder	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	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Lymph Node
Note: MANDIBULAR LN AUTOLYTIC.
Urin Bladder
Note: URINARY BLADDER TOO AUTOLYZED TO BE INTERPRETED.

PRIMARY CAUSE OF DEATH -

Animal Note: COD: UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1357	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 658
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Colon
Intestine Small - Duodenum	Islets, Pancreatic	Nose	Parathyroid Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

MISSING

Intestine Small - Ileum	Thymus

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Jejunum

OBSERVATIONS

Heart		Fibrosarcoma	Metastatic (Skin)
		Mineralization	Mild
		Thrombosis	
Kidney		Lymphoma Malignant Lymphocytic	
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 2-1,3-7			
Lung	Peribronchiolr	Inflammation	Chronic Active, Moderate
		Lymphoma Malignant Lymphocytic	
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
	Lumbar	Lymphoma Malignant Lymphocytic	
	Mandibular	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
	Pancreatic	Lymphoma Malignant Lymphocytic	
	Renal	Lymphoma Malignant Lymphocytic	
	Lumbar	Necrosis	Moderate
	Pancreatic	Necrosis	Moderate
Note: LYMPH MAL LYMP TGLs = 5,6,7,8,9-3+4+6+7+8			
Mesentery		Lymphoma Malignant Lymphocytic	
Pancreas		Lymphoma Malignant Lymphocytic	
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1357	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 658
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-8			
Spleen		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 4-1]			
Testes		Lymphoma Malignant Lymphocytic	
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
		Lymphoma Malignant Lymphocytic	
	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH	-

Animal Note: COD: LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1358	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 669
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Islets, Pancreatic	Kidney
Lymph Node	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	Urinary Bladder

MISSING

Pituitary Gland	Thymus

OBSERVATIONS

Eye		Atrophy	Marked
Harderian Gland		Inflammation	Chronic Active, Moderate
Heart		Hepatocellular Carcinoma	Metastatic (Liver)
Liver	Centrilobular	Cytomegaly	Mild
		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 3-1+7+8]			
Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Moderate
Note: HEPATOCLR CARC TGLs = 2-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Skin	Subcut Tiss	Fibrosis	Mild
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: HYPERPLASIA TGLs = 1-6			

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1358	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 669
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: MORIBUND DUE TO HEPATOCELLULAR CARCINOMAS.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1359	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Islets, Pancreatic	Kidney
Lymph Node	Nose	Pancreas	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland	Pituitary Gland	Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Eye		Atrophy	Marked
Note: ATROPHY TGLs = 2-7			
Harderian Gland		Inflammation	Chronic Active, Mild
		Necrosis	Marked
Note: INFLAMMATION TGLs = 1-5+7			
Note: NECROSIS TGLs = 1-5+7			
Note: NECROSIS PRECLUDED DX OF ANY NEOPLASM THAT MIGHT BE PRESENT			
Heart		Degeneration	Chronic, Moderate
Liver		Hepatocellular Carcinoma	Multiple
	Oval Cell	Hyperplasia	Moderate
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 3-1+8			
Lung		Carcinoma	Metastatic (Thyroid Gland)
	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Testes	Seminif Tub	Degeneration	Moderate
Thyroid Gland	Follicular Cel	Carcinoma	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1359	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1360	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 743
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - 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	Lung
Lymph Node	Nose	Parathyroid Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	Urinary Bladder
MISSING			
Gallbladder	Thymus		
OBSERVATIONS			
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 1-7			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pancreas	Duct	Ectasia	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: HYPERPLASIA TGLs = 2-6			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1361	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 529
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node
Nose	Pancreas	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Gallbladder	Intestine Large - Rectum	Parathyroid Gland

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 1-7			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: COD: HEPATOCELLULAR CARCINOMA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1362	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Gallbladder	Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-8,1-9			
Note: TARSAL SLIDES MISSING; RCB REQUESTED.			
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Mild
		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 2,3-7]			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1363	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea	Urinary Bladder	

MISSING

Gallbladder	Thymus

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7+8			
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 2,3-9			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: ADENOMA TGLs = 4-6			
Note: HYPERPLASIA TGLs = 4-6			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND DUE TO HEPATOCELLULAR CARCINOMAS.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1364	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 685
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Medulla	Bone	Brain	Epididymis
Esophagus	Heart	Intestine Large - Colon	Intestine Large - Rectum
Islets, Pancreatic	Kidney	Lymph Node	Nose
Pancreas	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			
MISSING			
Gallbladder	Parathyroid Gland	Thymus	
AUTO PRECLUDES DIAG.			
Bone Marrow	Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum			
OBSERVATIONS			
Adrenal Gland	Cortex	Hyperplasia	Minimal
Liver	Centrilobular	Cytomegaly	Mild
		Hemangiosarcoma	Multiple
		Hepatocellular Carcinoma	
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 1-7			
Note: HEMANGIOSARC TGLs = 2,3-1			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC TGLs = 4-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

Animal Note: COD: HEPATOCELLULAR CARCINOMA & HEMANGIOSARCOMAS.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1365	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Testes
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7+8			
Kidney		Infarct	Mild
Liver	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
	Oval Cell	Hyperplasia	Moderate
Note: HEPATOCLR CARC TGLs = 2,3-1+9			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Stomach	Glandular	Inflammation	Acute, Minimal
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: HYPERPLASIA TGLs = 4-6			
Note: ADENOMA TGLs = 4-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1365	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1366	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 744
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	Urinary Bladder

MISSING

Lymph Node	Thymus

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7			
Liver	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 2-8+9			
Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node			
Note: NO MANDIBULAR LN.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: HYPERPLASIA TGLs = 3-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1367	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 522
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Intestine Large - Colon	Islets, Pancreatic
Kidney	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Trachea	Urinary Bladder		

MISSING

Thymus

AUTO PRECLUDES DIAG.

Bone Marrow	Gallbladder	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	

OBSERVATIONS

Heart	Valve	Bacterium	Moderate
	Valve	Inflammation	Suppurative, Mild
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant Undifferentiated Cell Type	
Note: HEPATOCLR CARC TGLs = 2,3-1+8			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
Note: MANDIBULAR LN NORMAL.			
Note: LYMPH MAL UNDF TGLs = 1-7			
Mesentery		Lymphoma Malignant Undifferentiated Cell Type	
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: COD: LYMPHOMA & HEPATOCELLULAR CARCINOMAS.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1368	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 718
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Nose	Parathyroid Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7+8			
Harderian Gland		Inflammation	Suppurative, Marked
Intestine Small	Jejunum, Lymphatic	Ectasia	Mild
Note: ECTASIA TGLs = 5-9			
Kidney		Lymphoma Malignant Lymphocytic	
Liver	Centrilobular	Cytomegaly	Mild
		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 7-1+11			
Lung		Hepatoblastoma	Metastatic (Liver)
	Alveolar Epith	Hyperplasia	Minimal
Lymph Node	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: MANDIBULAR LN NORMAL.			
Note: LYMPH MAL LYMP TGLs = 4-10			
Mesentery		Lymphoma Malignant Lymphocytic	
Pancreas		Lymphoma Malignant Lymphocytic	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1368	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 718
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen			
Note: SMALL SPLEEN WITHIN NORMAL LIMITS ON MICRO.			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Carcinoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: ADENOMA TGLs = 6-6			
Note: HYPERPLASIA TGLs = 6-6			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND DUE TO HEPATIC NEOPLASIA & LYMPHOMA.
Animal Note: WHITE ABDOMINAL FLUID DUE TO LYMPHOMA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1369	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 641
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Islets, Pancreatic	Kidney	Lymph Node	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea	Urinary Bladder	

MISSING

Gallbladder	Pituitary Gland	Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum			

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	
Liver	Centrilobular	Cytomegaly	Moderate
		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
Note: INFARCT TGLs = 4-1			
[Hepatocellular Carcinoma TGLS = 2,3-1+7]			
Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
[Alveolar/Bronchiolar Adenoma TGLS = 1-2]			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: COD: HEPATOCELLULAR CARCINOMAS.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1370	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

MISSING

Gallbladder

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7			
Intestine Large	Colon	Parasite Metazoan	
Kidney		Lymphoma Malignant Mixed	
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 5,6-9+10]			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Carcinoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: ADENOMA TGLs = 3-6			
Note: HYPERPLASIA TGLs = 3-6			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND DUE TO HEPATOCELLULAR CARCINOMAS.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1371	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node
Nose	Pancreas	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Trachea	Urinary Bladder		
MISSING			
Esophagus	Parathyroid Gland	Thymus	
OBSERVATIONS			
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 2-1+7+8			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Carcinoma	
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: [CARCINOMA] TGLs = 1-6			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1372	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lung	Lymph Node
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea	Urinary Bladder	

MISSING

Gallbladder	Thymus

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	
	Rectum	Parasite Metazoan	
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	Multiple
		Infarct	Marked
Note: INFARCT TGLs = 1-7			
Note: HEPATOCLR CARC TGLs = 2-8			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-7, MESENTERIC FAT IS INFARCTED LIVER

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1373	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 507
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Lymph Node	Nose	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Testes
Trachea			

MISSING

Thymus

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Pancreas	Spleen	Stomach - Forestomach	Stomach - Glandular
Urinary Bladder			

OBSERVATIONS

Kidney	Renal Tubule	Necrosis	Moderate
Liver		Basophilic Focus	
	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
		Infarct	Marked
Note: HEPATOCLR CARC TGLs = 2,3,4,5,6-1+7			
Lung	Alveolar Epith	Hyperplasia	Moderate
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Thyroid Gland	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Urin Bladder			
Note: U BLADDER TOO AUTOLYZED FOR MICRO INTERPRETATION.			

PRIMARY CAUSE OF DEATH -

Animal Note: COD: HEPATOCELLULAR NEOPLASIA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1374	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 693
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

MISSING

Gallbladder	Thymus

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 2-1			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC TGLs = 1-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: HYPERPLASIA TGLs = 3-6			
Note: ADENOMA TGLs = 3-6			

PRIMARY CAUSE OF DEATH -

Animal Note: COD: HEPATOCELLULAR CARCINOMAS.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1375	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 745
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Testes
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-9+10			
Gallbladder	Epithelium	Hypertrophy	Focal, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR ADEN TGLs = 3-7			
Note: HEPATOCLR CARC TGLs = 2-7			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 4-8			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pancreas	Acinus	Atrophy	Mild
Stomach	Glandular	Infiltration Cellular	Mast Cell, Mild
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1376	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7+8			
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Mild
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Infarct	Minimal
Note: HEPATOCLR CARC TGLs = 2,3,4-1+9			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Nose	Mucosa	Inflammation	Acute, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1377	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney
Lymph Node	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-7+8			
Liver	Centrilobular	Cytomegaly	Mild
		Hemangiosarcoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 1-9			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1378	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-7+8			
Epididymis		Inflammation	Chronic Active, Mild
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatoblastoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 3-1+10			
Lung		Hepatoblastoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Moderate
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Skin		Acanthosis	Minimal
		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1-9			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1378	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 746
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 4-6

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-9, PENIS LESION CODED UNDER SKIN OF PREPUCE

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1379	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Kidney	Lymph Node
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-7+8			
Harderian Gland		Adenocarcinoma	
Note: [ADENOCARC] TGLs = 1-5			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 4-9			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Mild
Note: HEPATOCLR CARC TGLs = 3-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1380	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach	Testes
Trachea	Urinary Bladder		

MISSING

Gallbladder	Pituitary Gland

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	
Intestine Small	Ileum	Parasite Metazoan	
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 1-7			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 2,3-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: HYPERPLASIA TGLs = 4-6			
Note: ADENOMA TGLs = 4-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1381	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 685
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	Urinary Bladder

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Small - Duodenum

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Minimal
		Eosinophilic Focus	
		Hepatoblastoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
Note: HEPATOBLASTOMA TGLs = 1-7			
Note: HEPATOCLR CARC TGLs = 1,2,3-1+7			
Lung		Hepatoblastoma	Metastatic (Liver)
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: COD: HEPATIC NEOPLASIA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1382	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7			
Intestine Large	Colon	Parasite Metazoan	
	Rectum	Parasite Metazoan	
Liver	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 2-1+8			
Lung		Carcinoma	Metastatic (Uncertain Primary Site)
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Carcinoma	
	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Vacuolization Cytoplasmic	Minimal
Note: ADENOMA TGLs = 3-6			
Note: CARCINOMA TGLs = 3-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1382	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 750
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1383	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 697
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Kidney	Lymph Node	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 1-1]			
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: ADENOMA TGLs = 2-6			
Note: HYPERPLASIA TGLs = 2-6			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND DUE TO HEPATOCELLULAR CARCINOMAS.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1384	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 694
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Kidney	Lymph Node
Nose	Pancreas	Pituitary Gland	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland	Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
[Hepatocellular Carcinoma TGLS = 3,4-1]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Skin		Parasite External	
Spleen			
Note: SMALL SPLEEN WITHIN NORMAL LIMITS ON MICRO.			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: ADENOMA TGLs = 5-6			
Note: HYPERPLASIA TGLs = 5-6			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1384	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 694
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

Animal Note: MORIBUND DUE TO HEPATOCELLULAR NEOPLASIA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1385	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 697
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Harderian Gland		Adenoma	
Intestine Large	Cecum	Parasite Metazoan	
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 2-1]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Note: INFLAMMATION TGLs = 1-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Adenoma	
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: ADENOMA TGLs = 3-6			
Note: HYPERPLASIA TGLs = 3-6			
Tooth	Peridont Tiss	Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1385	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 697
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: COD: HEPATOCELLULAR NEOPLASIA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1386	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 557
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Nose	Pancreas	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland	Pituitary Gland	Thymus

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 2,3,4,5-1+8			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-7			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND DUE TO SUBCUT & HEPATOCELLULAR NEOPLASIA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1387	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Nose
Pancreas	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

MISSING

Gallbladder	Parathyroid Gland

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-7			
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 1-1+8			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Alveolar Epith	Hyperplasia	Mild
	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1387	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1388	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 295
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Gallbladder	Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum		

OBSERVATIONS

Lymph Node		
Note: MANDIBULAR LN NORMAL.		
Prostate	Inflammation	Suppurative, Marked
Thyroid Gl		
Note: ENLARGED THYROIDS WITHIN NORMAL LIMITS ON MICRO.		

PRIMARY CAUSE OF DEATH -

Animal Note: FLUID IN CAVITIES DUE TO POSTMORTEM AUTOLYSIS.
Animal Note: COD: PROBABLY ASSOCIATED WITH PROSTATIC INFLAMMATION.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1389	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 297
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Kidney	Liver	Lung	Lymph Node
Nose	Parathyroid Gland	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
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	Islets, Pancreatic
Pancreas	Spleen	Thymus	
INSUFFICIENT TISSUE			
Pituitary Gland			

OBSERVATIONS

Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Urin Bladder			
Note: ENLARGED URINARY BLADDER WITHIN NORMAL LIMITS ON MICRO.			

PRIMARY CAUSE OF DEATH -

Animal Note: COD: UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1390	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 701
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Urinary Bladder	

MISSING

Gallbladder	Thymus

INSUFFICIENT TISSUE

Trachea

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7			
Kidney		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 5-1]			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 3-1			
Lung		Carcinoma	Metastatic (Thyroid Gland)
		Hepatocellular Carcinoma	Metastatic (Liver)
	Alveolar Epith	Hyperplasia	Mild
Note: CARCINOMA TGLs = 6-2			
Note: METASTATIC THYROID CARCINOMA IS FOLLICULAR CELL ORIGIN.			
Lymph Node	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 4-8			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1390	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 701
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 7-6			
Skin	Subcut Tiss	Fibrosarcoma	
		Parasite External	
Note: FIBROSARC TGLs = 2-9			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Carcinoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

Animal Note: MORIBUND DUE TO NEOPLASIA OF SEVERAL ORGANS.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1391	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lung	Lymph Node
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea	Urinary Bladder	

MISSING

Gallbladder	Thymus

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7+8			
Intestine Large	Cecum	Parasite Metazoan	
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 2-1+9			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hemangiosarcoma	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Vacuolization Cytoplasmic	Minimal
Note: HYPERPLASIA TGLs = 3-6			
Note: ADENOMA TGLs = 3-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1392	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 751
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-8+9			
Intestine Large	Rectum	Parasite Metazoan	
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 3-1+7			
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: HYPERPLASIA TGLs = 2-6			
Note: ADENOMA TGLs = 2-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1393	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Nose	Parathyroid Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Pituitary Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 3-7			
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 1,2-1+8+9			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pancreas	Acinus	Atrophy	Mild
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: HYPERPLASIA TGLs = 4-6			
Note: ADENOMA TGLs = 4-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1394	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney
Lymph Node	Nose	Pancreas	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-7+8			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 1-9			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1395	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 752
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Kidney	Lung
Lymph Node	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-7			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Minimal
Note: HEPATOCLR CARC TGLs = 1-8+9			
[Hepatocellular Carcinoma TGLS = 1-9]			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: HYPERPLASIA TGLs = 3-6			
Note: ADENOMA TGLs = 3-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1396	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 737
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Kidney	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder
AUTO PRECLUDES DIAG.			
Gallbladder	Intestine Small - Jejunum		
OBSERVATIONS			
Intestine Large	Colon	Parasite Metazoan	
Liver	Centrilobular	Cytomegaly	Minimal
		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
		Histiocytic Sarcoma	
		Infarct	Marked
Note: HEPATOCLR CARC TGLs = 1,2-1+8			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 3-7			
Note: MANDIBULAR LN NORMAL.			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicular Cel	Vacuolization Cytoplasmic	Marked
PRIMARY CAUSE OF DEATH	-		
Animal Note: COD: HEPATOCELLULAR NEOPLASIA.			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1397	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Gallbladder	Heart
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lung	Lymph Node
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Esophagus

OBSERVATIONS

Intestine Large	Cecum	Parasite Metazoan	
	Colon	Parasite Metazoan	
Liver	Centrilobular	Cytomegaly	Minimal
		Hepatocellular Carcinoma	Multiple
		Infarct	Minimal
[Hepatocellular Carcinoma TGLS = 1-7]			
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1398	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 749
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea	Urinary Bladder	

MISSING

Gallbladder

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7+8			
Liver		Hepatoblastoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 2-9+10			
[Hepatocellular Carcinoma TGLS = 2-9+10]			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Carcinoma	
	Follicular Cel	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1398	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 749
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: HYPERPLASIA TGLs = 3-6			
Note: CARCINOMA TGLs = 3-6			
PRIMARY CAUSE OF DEATH	-		

Animal Note: COD: HEPATOCELLULAR NEOPLASIA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1399	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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
Nose	Pancreas	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 3-7+8			
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Cytomegaly	Minimal
		Hemangiosarcoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 1-9+10			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node			
Note: MANDIBULAR LN NORMAL.			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Carcinoma	
	Follicular Cel	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 2-6			
Note: CARCINOMA TGLs = 2-6			
Note: ADENOMA TGLs = 2-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1399	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 753
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1400	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 597
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Nose	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	Urinary Bladder

MISSING

Gallbladder	Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
Kidney		Lymphoma Malignant Mixed	
Liver	Centrilobular	Cytomegaly	Minimal
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
		Lymphoma Malignant Mixed	
Note: HEPATOCLR CARC TGLs = 3,4-1+11			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Inguinal	Lymphoma Malignant Mixed	
	Lumbar	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Pancreatic	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2,5,6,7,8-3+4+6+7+8+9+10			
Pancreas		Lymphoma Malignant Mixed	
Prostate		Inflammation	Suppurative, Mild
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-10			
Thyroid Gland	Follicular Cel	Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1400	**TRT#:** 8	**SEX:** Male	**DAY ON TEST:** 597
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Minimal
PRIMARY CAUSE OF DEATH	-		

Animal Note: COD: LYMPHOMA.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1701	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Gallbladder

OBSERVATIONS

Harderian Gland		Adenoma	
Liver		Hemangiosarcoma	Multiple
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-9			
Note: HEMANGIOSARC TGLs = 3-9			
Lung		Alveolar/Bronchiolar Carcinoma	
	Peribronchiolr	Inflammation	Chronic Active, Mild
Note: ALV BRON CARC TGLs = 4-2			
Note: INFLAMMATION TGLs = 5-2			
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
Note: MANDIBULAR NORMAL.			
Note: HEMA CELL PROL TGLs = 6-7			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 1-8			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 7-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1702	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Bone	Cranium	Osteosarcoma	
[Osteosarcoma TGLS = 1-5]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR NORMAL.			
Ovary	Follicle	Cyst	
[Cyst TGLS = 2-6]			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
[Hyperplasia TGLS = 3-6]			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-5, SKIN OF FACE MASS IS BONE OF CRANIUM

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1703	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow	Femoral	Lymphoma Malignant Mixed	
Liver		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-1,2-8			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3-7			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-9			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1704	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Kidney	Liver	Lung
Lymph Node	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Intestine Large	Cecum	Leiomyosarcoma	
Note: [LEIOMYOSAR] TGLs = 1-7			
Islets, Pancreatic		Hyperplasia	Focal, Moderate
Lymph Node			
Note: MANDIBULAR NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1705	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 499
	DOSE: 0 PPM 0-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	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	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Brain	Perivascular	Inflammation	Chronic Active, Moderate
Lymph Node			
Note: MANDIBULAR NORMAL.			
Salivary Glands	Perivascular	Inflammation	Chronic Active, Multifocal, Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild
Note: HYPERPLASIA TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBNUND SACRIFICE DUE TO PARALYSIS,SPINAL CORD NVL

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1706	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Kidney		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 3-1,4-1]			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Thoracic	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 6-8			
Mesentery		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 2-7]			
Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 1-1]			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 5-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1707	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 705
	DOSE: 0 PPM 0-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	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
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Pituitary Gland

OBSERVATIONS

Kidney	Renal Tubule	Adenoma	Multiple
	Renal Tubule	Cyst	
Liver		Hematopoietic Cell Proliferation	Mild
		Inflammation	Chronic Active, Mild
Lung		Alveolar/Bronchiolar Adenoma	
	Mediastinum	Lymphoma Malignant Mixed	
Note: ALV BRON ADEN TGLs = 4-2			
Lymph Node	Lumbar	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-9,5-8,			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 8-6			
Skin	Subcut Tiss	Lymphoma Malignant Mixed	
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 3-7			
Thymus		Lymphoma Malignant Mixed	
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 7-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1707	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 705
	DOSE: 0 PPM 0-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA
Animal Note: MESENTERIC LYMPH NODE MISSING AT TRIM.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1708	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MANDIBULAR NORMAL.			
Ovary	Follicle	Cyst	
	Periovarn Tiss	Cyst	
Note: CYST TGLs = 1-6			
Pituitary Gland	Pars Distalis	Adenoma	
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1709	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-7			
Lymph Node			
Note: MANDIBULAR NORMAL.			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 3-6			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 4-6			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-1, SPLEEN WITHIN NORMAL LIMITS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1710	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Liver		Basophilic Focus	
Lymph Node			
Note: MANDIBULAR NORMAL.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin	Subcut Tiss	Fibrosis	Mild
Uterus		Dilatation	Moderate
Note: DILATATION TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1711	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	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
Kidney	Liver	Lung	Lymph Node
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Lacrimal Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-6]			
Lymph Node			
Note: MANDIBULAR NORMAL.			
Ovary	Follicle	Cyst	
Skin		Acanthosis	Mild
		Parasite External	
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 3-6			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-6, HARDERIAN GLAND IS REALLY LACRIMAL GLAND
Animal Note: TGL2-6, MANDIBULAR LYMPH NODE WITHIN NORMAL LIMITS.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1712	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Parathyroid Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Gallbladder

OBSERVATIONS

Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 5-9			
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 4-7			
Ovary	Follicle	Cyst	
[Cyst TGLS = 1-6]			
Pancreas	Acinus	Atrophy	Marked
	Duct	Ectasia	Moderate
Note: ECTASIA TGLs = 2-8			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 6-6			
Skin		Acanthosis	Mild
		Parasite External	
Spleen		Lymphoma Malignant Mixed	
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 3-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1713	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	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	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
Liver		Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR NORMAL.			
Ovary	Follicle	Cyst	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Acanthosis	Mild
		Parasite External	
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1714	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Lung		Alveolar/Bronchiolar Carcinoma	
	Peribronchiolr	Inflammation	Chronic Active, Minimal
Note: ALV BRON CARC TGLs = 3-7			
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Ovary	Follicle	Cyst	
Note: CYST TGLs = 2-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Acanthosis	Mild
		Parasite External	
		Ulcer	Moderate
Note: ULCER TGLs = 4-8			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-1 SPLEEN WITHIN NORMAL LIMITS ON MICRO.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1715	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Moderate
	Cortex	Hypertrophy	Mild
Lung	Peribronchiolr	Inflammation	Chronic Active, Moderate
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
Ovary	Follicle	Cyst	
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Skin		Acanthosis	Mild
		Parasite External	
Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 1-7]			
Thymus		Lymphoma Malignant Mixed	
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1716	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 1-2			
Lymph Node			
Note: MANDIBULAR NORMAL.			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 2-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Fibrosis	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 3-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1717	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Liver		Hematopoietic Cell Proliferation	Mild
Lymph Node			
Note: MANDIBULAR NORMAL			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 2-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1718	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 487
	DOSE: 0 PPM 0-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Liver		Fibrosarcoma	Metastatic (Skin)
Note: FIBROSARC TGLs = 2-1			
Lymph Node			
Note: MANDIBULAR NORMAL.			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-7			
Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO SKIN TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1719	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 698
	DOSE: 0 PPM 0-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lymph Node	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Uterus		
MISSING			
Mammary Gland	Pituitary Gland		
AUTO PRECLUDES DIAG.			
Gallbladder	Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum
Nose	Thymus		
OBSERVATIONS			
Adrenal Gland	Cortex	Hypertrophy	Mild
Heart		Bacterium	Acute, Multiple
Kidney	Pelvis	Inflammation	Suppurative, Moderate
Lung	Interstitium	Inflammation	Acute, Moderate
Lymph Node			
Note: MANDIBULAR NORMAL.			
Urinary Bladder		Inflammation	Acute, Moderate
PRIMARY CAUSE OF DEATH	-		

Animal Note: CAUSE OF DEATH URINARY TRACT INFECTION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1720	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 0 PPM 0-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Colon
Islets, Pancreatic	Kidney	Lung	Lymph Node
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Thymus	

OBSERVATIONS

Liver		Necrosis	Minimal
	Centrilobular	Vacuolization Cytoplasmic	Moderate
Lymph Node			
Note: MANDIBULAR NORMAL			
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 1-7			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-1]			

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH OVARIAN ABCESS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1721	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
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
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Liver		Hematopoietic Cell Proliferation	Mild
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
Skin	Subcut Tiss	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-7			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-8,3-8			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1722	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 411
	DOSE: 0 PPM 0-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Heart	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Thymus

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Small - Duodenum	Stomach - Forestomach
Stomach - Glandular			

OBSERVATIONS

Bone Marrow	Femoral	Lymphoma Malignant Lymphocytic
Brain		Lymphoma Malignant Lymphocytic
Kidney		Lymphoma Malignant Lymphocytic
Liver		Lymphoma Malignant Lymphocytic
Lung		Lymphoma Malignant Lymphocytic
[Lymphoma Malignant Lymphocytic TGLS = 2-2]		
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic
	Thoracic	Lymphoma Malignant Lymphocytic
[Lymphoma Malignant Lymphocytic TGLS = 1-2]		
Ovary		Lymphoma Malignant Lymphocytic
Pancreas		Lymphoma Malignant Lymphocytic
Spleen		Lymphoma Malignant Lymphocytic
Note: LYMPH MAL LYMP TGLs = 3-1		

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, MALIGNANT LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1723	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 499
	DOSE: 0 PPM 0-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	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	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Lymph Node			
Note: MANDIBULAR NORMAL			
Ovary	Periovarn Tiss	Cyst	
Note: CYST TGLs = 1-6			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 2-6			

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF CNS SYMPTOMS FOR MORIBUND SAC NOT APPARENT

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1724	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	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	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

OBSERVATIONS

Liver		Lymphoma Malignant Lymphocytic	
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Moderate
	Mandibular	Lymphoma Malignant Lymphocytic	
Note: HEMA CELL PROL TGLs = 4-7			
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 1-8			
Ovary	Periovarn Tiss	Cyst	
		Lymphoma Malignant Lymphocytic	
Note: CYST TGLs = 2-6			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-6			
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 3-9			
Urinary Bladder		Lymphoma Malignant Lymphocytic	
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild
		Lymphoma Malignant Lymphocytic	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1725	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
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	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Esophagus		Squamous Cell Carcinoma	
Liver		Infarct	Mild
		Lymphoma Malignant Mixed	
[Infarct TGLS = 2-7]			
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
Ovary	Follicle	Cyst	
Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 1-8]			
Thymus		Lymphoma Malignant Mixed	
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1726	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	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
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Kidney		Infarct	Mild
Liver		Hematopoietic Cell Proliferation	Mild
Lung	Mediastinum	Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Ovary	Follicle	Cyst	
Note: CYST TGLs = 1-6			
Spleen		Hyperplasia	Lymphoid, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1727	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 0 PPM 0-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Bone	Brain	Heart	Nose
Salivary Glands	Skin	Thyroid Gland	
MISSING			
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Mammary Gland	Parathyroid Gland
Stomach - Forestomach	Stomach - Glandular	Thymus	
AUTO PRECLUDES DIAG.			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Gallbladder	Islets, Pancreatic	Ovary	Pituitary Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS		
Kidney		Lymphoma Malignant Mixed
Liver		Lymphoma Malignant Mixed
Lung		Lymphoma Malignant Mixed
Lymph Node	Mandibular	Lymphoma Malignant Mixed
	Mediastinal	Lymphoma Malignant Mixed
Note: LYMPH MAL MIXD TGLs = 1-6,3-2		
Pancreas		Lymphoma Malignant Mixed
Spleen		Lymphoma Malignant Mixed
[Lymphoma Malignant Mixed TGLS = 2-7]		

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH MALIGNANT LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1728	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	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	Mammary Gland	Nose
Ovary	Pancreas	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Brain		Compression	
		Hydrocephalus	Mild
Lymph Node			
Note: MANDIBULAR NORMAL			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1729	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			
MISSING			
Mammary Gland			
OBSERVATIONS			
Liver		Hyperplasia	Lymphoid, Mild
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
	Mesenteric	Hyperplasia	Lymphoid, Mild
Note: MANDIBULAR MISSING			
Note: [HYPERPLASIA] TGLs = 1-7			
Mesentery		Hemangiosarcoma	
		Inflammation	Chronic Active, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hyperplasia	Lymphoid, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1730	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 667
	DOSE: 0 PPM 0-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Liver		Hematopoietic Cell Proliferation	Mild
Lymph Node	Mesenteric	Hemorrhage	Mild
Note: MANDIBULAR NORMAL			
Note: HEMORRHAGE TGLs = 1-4			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 2-7			
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LARGE OVARIAN CYST

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1731	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Note: INFLAMMATION TGLs = 2-2			
Lymph Node			
Note: MANDIBULAR NORMAL			
Pituitary Gland	Pars Distalis	Adenoma	
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1732	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Lung	Mediastinum	Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-8			
Mesentery		Lipoma	
Note: LIPOMA TGLs = 1-7			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-6			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-7, TISSUE TAKEN AS RENAL LYMPH NODE IS A LIPOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1733	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea			

MISSING

Mammary Gland	Thymus

OBSERVATIONS

Bone Marrow	Femoral	Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
Lung		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-2,3-2			
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
Mesentery		Lymphoma Malignant Mixed	
Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 1-7]			
Urinary Bladder		Lymphoma Malignant Mixed	
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1734	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR NORMAL			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 1-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL2-1, SPLEEN WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1735	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Moderate
Brain		Carcinoma	Metastatic (Pituitary Gland)
Liver		Inflammation	Acute, Mild
Lung	Alveolar Epith	Hyperplasia	Mild
	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Carcinoma	
Note: CARCINOMA TGLs = 1-6			
Spleen		Lymphoma Malignant Mixed	
Stomach	Forestomach	Squamous Cell Papilloma	
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1736	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Brain		Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 4-2			
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-6,2-7			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 3-8]			
Thymus		Lymphoma Malignant Mixed	
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild
Note: HYPERPLASIA TGLs = 5-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1737	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 665
	DOSE: 0 PPM 0-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Islets, Pancreatic
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Small - Ileum	Intestine Small - Jejunum
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Lymphocytic	
Brain		Lymphoma Malignant Lymphocytic	
Clitoral Gland		Dilatation	Moderate
Note: DILATATION TGLs = 2-7			
Heart		Thrombosis	
Kidney		Lymphoma Malignant Lymphocytic	
Liver		Infarct	Mild
		Lymphoma Malignant Lymphocytic	
Note: INFARCT TGLs = 3-1			
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 1-6,4-4,5-2			
Spleen		Lymphoma Malignant Lymphocytic	
Thymus		Lymphoma Malignant Lymphocytic	
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild
Note: HYPERPLASIA TGLs = 6-6			

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1738	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	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
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Kidney		Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Spleen		Lymphoma Malignant Mixed	
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 2-7			

PRIMARY CAUSE OF DEATH -

Animal Note: HARDERIAN GLAND IN SKULL IS NORMAL
Animal Note: TGL1-5, ENLARGED HARDERIAN GLAND NOT SEEN AT TRIM

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1739	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Kidney	Lung
Nose	Ovary	Pancreas	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Intestine Small	Jejunum, Peyers Patch	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 5-7			
Liver		Basophilic Focus	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 4-9			
Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-8]			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-6			
Spleen		Lymphoma Malignant Mixed	
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild
Note: HYPERPLASIA TGLs = 3-6			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-8, SKIN MASS IS MAMMARY TUMOR
Animal Note: TGL6-10, LIVER NODULE NOT APPARENT ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1740	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 624
	DOSE: 0 PPM 0-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Heart	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Ileum	Islets, Pancreatic	Mammary Gland	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Thymus

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Jejunum

OBSERVATIONS

Bone Marrow	Femoral	Lymphoma Malignant Lymphocytic
Kidney		Lymphoma Malignant Lymphocytic
Liver		Lymphoma Malignant Lymphocytic
Lung	Mediastinum	Lymphoma Malignant Lymphocytic
Lymph Node	Axillary	Lymphoma Malignant Lymphocytic
	Mandibular	Lymphoma Malignant Lymphocytic
	Mesenteric	Lymphoma Malignant Lymphocytic
Note: LYMPH MAL LYMP TGLs = 1-6,2-7,5-8		
Ovary	Periovarn Tiss	Lymphoma Malignant Lymphocytic
Note: LYMPH MAL LYMP TGLs = 6-6		
Pancreas		Lymphoma Malignant Lymphocytic
Spleen		Lymphoma Malignant Lymphocytic
[Lymphoma Malignant Lymphocytic TGLS = 4-1]		

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1741	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hyperplasia	Lymphoid, Mild
Note: [HYPERPLASIA] TGLs = 2-1			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1742	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Moderate
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR IS NORMAL			
Ovary	Follicle	Cyst	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-6			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL3-6, THYROID NORMAL ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1743	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Lymph Node	Lumbar, Lymphatic, Sinus	Ectasia	Marked
Note: MANDIBULAR NORMAL			
Note: ECTASIA TGLs = 1-7			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1744	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 701
	DOSE: 0 PPM 0-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Mammary Gland	Nose
Ovary	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow		Femoral	Lymphoma Malignant Histiocytic	
Brain			Hemorrhage	Mild
Note: HEMORRHAGE	TGLs = 4-3			
Harderian Gland			Adenoma	
Liver			Necrosis	Minimal
		Centrilobular	Vacuolization Cytoplasmic	Marked
Note: VACUOLIZ CYTO	TGLs = 2-1			
Lung		Peribronchiolr	Inflammation	Chronic Active, Moderate
Lymph Node		Mandibular	Lymphoma Malignant Histiocytic	
		Mediastinal	Lymphoma Malignant Histiocytic	
Mesentery			Lymphoma Malignant Histiocytic	
Pancreas			Lymphoma Malignant Histiocytic	
Pituitary Gland		Pars Distalis	Hyperplasia	Mild
Spleen			Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 1-1			
Uterus			Dilatation	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA
Animal Note: TGL3-1, CAUSE OF PALE KIDNEYS NOT APPARENT ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1745	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 714
	DOSE: 0 PPM 0-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	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	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Undifferentiated Cell Type	
Brain		Hemorrhage	Mild
Note: HEMORRHAGE TGLs = 1-3			
Kidney		Lymphoma Malignant Undifferentiated Cell Type	
Liver		Infarct	Moderate
		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 4-1			
Lung		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 5-2			
Lymph Node	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 3-7			
Mesentery		Lymphoma Malignant Undifferentiated Cell Type	
Ovary	Periovarn Tiss	Lymphoma Malignant Undifferentiated Cell Type	
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Skin		Parasite External	
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 2-8			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1746	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose
Ovary	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Liver		Hematopoietic Cell Proliferation	Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pancreas	Acinus	Atrophy	Marked
	Duct	Ectasia	Moderate
Note: ECTASIA TGLs = 1-7			
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1747	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 667
	DOSE: 0 PPM 0-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	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	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Brain		Compression	
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Mammary Gland		Hyperplasia	Cystic, Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-6			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 3-6			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1748	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 0 PPM 0-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-8			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Ovary		Cystadenoma	
Note: [CYSTADENOMA] TGLs = 1-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Stomach	Glandular	Dysplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: TGL3-7, TONGUE MASS NOT ON SLIDE OR IN WET TISSUE
Animal Note: TGL2-8, PANCREATIC LN ND IS REALLY LIVER TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1749	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 670
	DOSE: 0 PPM 0-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lymph Node
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Bone Marrow	Femoral	Hemangiosarcoma	
Brain		Hydrocephalus	Moderate
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin	Subcut Tiss	Hemangiosarcoma	
[Hemangiosarcoma TGLS = 1-8]			
Spleen		Hemangiosarcoma	
[Hemangiosarcoma TGLS = 2-7]			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO HEMANGIOSARCOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1750	**TRT#:** 9	**SEX:** Female	**DAY ON TEST:** 327
	DOSE: 0 PPM 0-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Kidney		Lymphoma Malignant Lymphocytic	
Lung		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 4-2,5-2			
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 1-6,3-2,6-4			
Pituitary Gland	Pars Distalis	Lymphoma Malignant Lymphocytic	
Spleen		Lymphoma Malignant Lymphocytic	
Thymus		Lymphoma Malignant Lymphocytic	
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1751	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Lung		
OBSERVATIONS			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1752	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Pituitary Gland	Thyroid Gland

OBSERVATIONS

Ovary	Periovarn Tiss	Cyst
Note: CYST TGLs = 1-3		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1753	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver — Thyroid Gland

OBSERVATIONS

Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 4-2]			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 3-4			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 1-3			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 5-3			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 2-4			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1754	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 491
	DOSE: 0 PPM 10-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Skin
Thyroid Gland			
MISSING			
Mammary Gland	Parathyroid Gland	Pituitary Gland	
AUTO PRECLUDES DIAG.			
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	Nose
Ovary	Pancreas	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			
OBSERVATIONS			
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node			
Note: MANDIBULAR LN AUTOLYZED			
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 1-1			

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH UNDETERMINED

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1755	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Thyroid Gland

OBSERVATIONS

Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 1-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1756	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Intestine Large	Islets, Pancreatic	Liver	Lung
Pituitary Gland	Thyroid Gland		
OBSERVATIONS			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-3			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1757	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Lung	Pituitary Gland	
OBSERVATIONS			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-3			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1758	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 725
	DOSE: 0 PPM 10-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Colon
Intestine Large - Rectum	Kidney	Liver	Lung
Lymph Node	Mammary Gland	Nose	Parathyroid Gland
Salivary Glands	Spleen	Thymus	Trachea
Urinary Bladder			
AUTO PRECLUDES DIAG.			
Gallbladder	Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Pancreas	Stomach - Forestomach
Stomach - Glandular			
OBSERVATIONS			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 2-8			
Pituitary Gland	Pars Distalis	Adenoma	
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-7			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
PRIMARY CAUSE OF DEATH	-		
Animal Note: CAUSE OF DEATH, SKIN TUMOR			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1759	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Thyroid Gland

OBSERVATIONS

Harderian Gland			Adenocarcinoma	
Note: ADENOCARC	TGLs = 1-3			
Lymph Node		Mandibular	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA	TGLs = 2-4			
Pituitary Gland		Pars Distalis	Hyperplasia	Mild
Uterus		Endometrium	Hyperplasia	Cystic, Glandular, Mild
Note: HYPERPLASIA	TGLs = 3-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1760	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 523
	DOSE: 0 PPM 10-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic	Lung
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Gallbladder	Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Undifferentiated Cell Type	
Bone Marrow	Femoral	Lymphoma Malignant Undifferentiated Cell Type	
Intestine Small	Jejunum, Peyers Patch	Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 9-7			
Kidney		Lymphoma Malignant Undifferentiated Cell Type	
Liver		Hepatocellular Carcinoma	
		Lymphoma Malignant Undifferentiated Cell Type	
[Hepatocellular Carcinoma TGLS = 5-1]			
Lymph Node	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
	Mediastinal	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
	Renal	Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 6-2,7-8,8-7			
Ovary		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 3-6,4-6			
Pancreas		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 2-4			
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 1-1			
Stomach	Glandular	Lymphoma Malignant Undifferentiated Cell Type	
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1760	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 523
	DOSE: 0 PPM 10-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

Animal Note: CAUSE OF DEATH LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1761	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 555
	DOSE: 0 PPM 10-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	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	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Ovary	Follicle	Cyst
Note: CYST TGLs = 1-7		

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO OVARIAN CYST

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1762	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Thyroid Gland

OBSERVATIONS

Liver		Lymphoma Malignant Mixed	
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Ovary	Periovarn Tiss	Cyst	
Note: CYST TGLs = 1-4			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 3-3]			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 2-4			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1763	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**
OBSERVATIONS			
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-4			
Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchiolr	Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-2			
Stomach	Forestomach	Cyst Epithelial Inclusion	
	Forestomach	Inflammation	Chronic Active, Moderate
Note: CYST EPITH INC TGLs = 3-3			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1764	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Thyroid Gland

OBSERVATIONS

Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 3-3			
[Hepatocellular Carcinoma TGLS = 2-3]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-4			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1765	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Thyroid Gland		
OBSERVATIONS			
Lung		Alveolar/Bronchiolar Carcinoma	
		Lymphoma Malignant Mixed	
Lymph Node	Inguinal	Lymphoma Malignant Mixed	
	Lumbar	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 1-8,2-3,4-7,5-6,6-4,7-9			
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Spleen		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 3-5			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1766	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 540
	DOSE: 0 PPM 10-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Thymus

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Eye	Lens	Cataract	Marked
	Retina	Degeneration	Marked
Liver		Hepatocellular Carcinoma	
		Infarct	Marked
Note: [HEPATOCLR CARC] TGLs = 1,2-1			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Nose	Nasolacrim Dct	Inflammation	Acute, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1767	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland	Thyroid Gland	
OBSERVATIONS			
Liver		Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 1-4			
Ovary	Periovarn Tiss	Cyst	
[Cyst TGLS = 2-3]			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 3-3			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1768	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Lung	Thyroid Gland	
OBSERVATIONS			
Intestine Small	Jejunum, Peyers Patch	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-4			
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 3-4			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 1-3			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1769	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 712
	DOSE: 0 PPM 10-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Uterus	

OBSERVATIONS

Bone Marrow	Femoral	Lymphoma Malignant Mixed	
Brain		Compression	
Liver		Lymphoma Malignant Mixed	
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-6,3-4			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-6			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 4-1			
Urinary Bladder		Lymphoma Malignant Mixed	

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1770	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Pituitary Gland	Thyroid Gland	
OBSERVATIONS			
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Ovary	Follicle	Cyst	
Note: CYST TGLs = 1-3			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 2-3			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1771	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 611
	DOSE: 0 PPM 10-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Kidney	Lymph Node	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
INSUFFICIENT TISSUE			
Thymus			
OBSERVATIONS			
Bone Marrow	Femoral	Necrosis	Acute, Moderate
Intestine Small	Jejunum	Inflammation	Chronic Active, Moderate
Liver		Hematopoietic Cell Proliferation	Mild
Lung	Artery	Embolus	Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 1-7			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild
PRIMARY CAUSE OF DEATH	-		

Animal Note: CAUSE OF DEATH CHRONIC ACTIVE INFLAMMATION OF JEJUNUM

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1772	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Lung		
OBSERVATIONS			
Ovary	Periovarn Tiss	Cyst	
Note: CYST TGLs = 1-4			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-3]			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 2-4			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1773	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 698
	DOSE: 0 PPM 10-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Harderian Gland		Adenoma	
Liver		Lymphoma Malignant Mixed	
Lymph Node	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-2			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-1			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1774	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Thyroid Gland		
OBSERVATIONS			
Liver		Clear Cell Focus	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1775	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Thyroid Gland		
OBSERVATIONS			
Liver		Basophilic Focus	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1776	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung

OBSERVATIONS

Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1777	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Lung	Salivary Glands	Spleen
OBSERVATIONS			
Ovary	Periovarn Tiss	Cyst	
[Cyst TGLS = 3-3]			
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
[Hyperplasia TGLS = 2-3]			
PRIMARY CAUSE OF DEATH	-		

Animal Note: TGL1-3, ENLARGED SPLEEN IS WITHIN NORMAL LIMITS ON MICRO
Animal Note: TGL4,ENLARGED INTESINE NOT FOUND AT TRIM

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1778	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Lung	Thyroid Gland	
OBSERVATIONS			
Pituitary Gland	Pars Distalis	Adenoma	
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-3			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1779	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland	Thyroid Gland	
OBSERVATIONS			
Liver		Lymphoma Malignant Lymphocytic	
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-3			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-3			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1780	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Spleen	Thyroid Gland	
OBSERVATIONS			
Lung	Alveolar Epith	Hyperplasia	Mild
Ovary		Hemangioma	
Note: HEMANGIOMA TGLs = 2-3			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 3-3			
PRIMARY CAUSE OF DEATH	-		

Animal Note: TGL1-3, ENLARGED SPLEEN IS WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1781	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL		
Liver	Lung	Thyroid Gland
OBSERVATIONS		
Ovary	Periovarn Tiss	Cyst
[Cyst TGLS = 2-3]		
Pituitary Gland	Pars Distalis	Adenoma
[Adenoma TGLS = 3-2]		
PRIMARY CAUSE OF DEATH	-	

Animal Note: TGL1-4, ENLARGED SPLEEN WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1782	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung

OBSERVATIONS

Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1783	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Lung	Pituitary Gland	Thyroid Gland
OBSERVATIONS			
Ovary		Luteoma	
[Luteoma TGLS = 1-3]			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
[Hyperplasia TGLS = 2-4]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1784	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Pituitary Gland	Thyroid Gland	
OBSERVATIONS			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 3-2			
Ovary	Follicle	Cyst	
	Periovarn Tiss	Cyst	
Note: CYST TGLs = 2-3,2-3.1			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-3			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1785	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Pituitary Gland	Thyroid Gland

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1786	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Thyroid Gland

OBSERVATIONS

Eye		Atrophy	Marked
Note: ATROPHY TGLs = 2-3			
Gallbladder		Lymphoma Malignant Mixed	Moderate
Harderian Gland		Adenoma	
Note: ADENOMA TGLs = 1-3			
Lung		Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1787	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Thyroid Gland

OBSERVATIONS

Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1788	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver Lung

OBSERVATIONS

Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 2-3			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-2			
Stomach	Forestomach	Hyperkeratosis	Focal, Mild
Note: HYPERKERATOSIS TGLs = 3-3			
Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1789	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Islets, Pancreatic		Carcinoma	
Note: CARCINOMA TGLs = 2-3			
Liver		Carcinoma	Metastatic (Islets, Pancreatic)
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-3			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1790	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver		Hemangioma	
		Lymphoma Malignant Mixed	
[Hemangioma TGLS = 2-3]			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA TGLs = 1-2			
Stomach	Forestomach	Cyst Epithelial Inclusion	
	Forestomach	Inflammation	Chronic Active, Mild
[Cyst Epithelial Inclusion TGLS = 3-3]			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1791	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Thyroid Gland

OBSERVATIONS

Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1792	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 587
	DOSE: 0 PPM 10-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Kidney	Lung	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
AUTO PRECLUDES DIAG.			
Gallbladder			
OBSERVATIONS			
Intestine Small	Jejunum, Peyers Patch	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 3-4			
Liver		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 2-7,4-8			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 1-1			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild
Note: HYPERPLASIA TGLs = 5-6			
PRIMARY CAUSE OF DEATH	-		
Animal Note: CAUSE OF DEATH LYMPHOMA			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1793	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 642
	DOSE: 0 PPM 10-0	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Colon	Intestine Small - Duodenum
Islets, Pancreatic	Liver	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
Pituitary Gland			

OBSERVATIONS

Bone	Cranium	Osteosarcoma	
Note: OSTEOSARC TGLs = 1-6			
Brain		Osteosarcoma	Metastatic (Bone)
Intestine Small	Jejunum, Peyers Patch	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3-8			
Kidney	Glomerulus	Dilatation	Mild
Lung		Osteosarcoma	Metastatic (Bone)
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Note: MANDIBULAR LN NORMAL			
Note: LYMPH MAL MIXD TGLs = 4-7			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 2-6			
Spleen		Lymphoma Malignant Mixed	
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO TUMOR IN SKULL
Animal Note: TGL1-6, PITUITARY LESION IS OSTEOSARCOMA FROM CRANIUM

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1794	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 737
	DOSE: 0 PPM 10-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Mammary Gland
Nose	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Lymphoma Malignant Histiocytic	
Kidney		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 7-1			
Lung		Lymphoma Malignant Histiocytic	
Lymph Node	Mandibular	Lymphoma Malignant Histiocytic	
	Mediastinal	Lymphoma Malignant Histiocytic	
	Mesenteric	Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 9-2,10-9			
Mesentery		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 6-7			
Ovary		Lymphoma Malignant Histiocytic	
Pancreas		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 4-4			
Pituitary Gland	Pars Distalis	Lymphoma Malignant Histiocytic	
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 3-1			
Stomach	Glandular	Lymphoma Malignant Histiocytic	
Thymus		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 8-2			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 5-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1794	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 737
	DOSE: 0 PPM 10-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CAUSE OF DEATH, LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1795	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 609
	DOSE: 0 PPM 10-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	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
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Thymus

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Adrenal Gland	Cortex	Hematopoietic Cell Proliferation	Mild
Liver		Infarct	Moderate
Skin	Subcut Tiss	Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 3-7			
Spleen		Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 1-8,2-8			

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, HEMANGIOSARCOMA OF SPLEEN AND SUBCUTIS
Animal Note: TGL3-7, TISSUE NOS IS A SUBCUTANEOUS TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1796	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Thyroid Gland		

OBSERVATIONS

Liver		Hematopoietic Cell Proliferation	Moderate
Lymph Node	Mandibular	Angiectasis	Moderate
	Deep Cervical	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Pancreatic	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 2-7,3-5,5-3,7-8			
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-6			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 6-2			
Spleen		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 4-4			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-6, SKIN MASS IS MAMMARY GLAND TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1797	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Pituitary Gland	Thyroid Gland

OBSERVATIONS

Ovary	Periovarn Tiss	Cyst
Note: CYST TGLs = 1-3		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1798	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 746
	DOSE: 0 PPM 10-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Stomach - Forestomach	Thyroid Gland
Trachea	Urinary Bladder		

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Heart		Lymphoma Malignant Mixed
Kidney		Lymphoma Malignant Mixed
Liver		Lymphoma Malignant Mixed
Lung	Mediastinum	Lymphoma Malignant Mixed
Lymph Node	Mandibular	Lymphoma Malignant Mixed
	Mediastinal	Lymphoma Malignant Mixed
	Mesenteric	Lymphoma Malignant Mixed
	Renal	Lymphoma Malignant Mixed
Note: LYMPH MAL MIXD TGLs = 7-8,8-2,9-9		
Mesentery		Lymphoma Malignant Mixed
Note: LYMPH MAL MIXD TGLs = 5-10		
Ovary		Lymphoma Malignant Mixed
Note: LYMPH MAL MIXD TGLs = 3-6		
Salivary Glands		Lymphoma Malignant Mixed
Skin	Subcut Tiss	Lymphoma Malignant Mixed
Note: LYMPH MAL MIXD TGLs = 2-7		
Spleen		Lymphoma Malignant Mixed
Note: LYMPH MAL MIXD TGLs = 1-1		
Stomach	Glandular	Lymphoma Malignant Mixed
Thymus		Lymphoma Malignant Mixed
Uterus		Lymphoma Malignant Mixed

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1798	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 746
	DOSE: 0 PPM 10-0	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LYMPH MAL MIXD TGLs = 4-6

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1799	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Thyroid Gland		
OBSERVATIONS			
Liver		Clear Cell Focus	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-5,3-7,4-3,5-4			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 1-3			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 6-6			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1800	**TRT#:** 10	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 0 PPM 10-0	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Thyroid Gland		
OBSERVATIONS			
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 4-4			
Ovary	Periovarn Tiss	Cyst	
Note: CYST TGLs = 2-3			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-2]			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
[Hyperplasia TGLS = 3-3]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1801	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 529
	DOSE: 100 PPM 1-1	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	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	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 1-1]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin		Acanthosis	Mild
		Parasite External	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF PARALYSIS UNDETERMINED

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1802	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 668
	DOSE: 100 PPM 1-1	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Bone Marrow	Femoral	Histiocytic Sarcoma	Single
Liver		Histiocytic Sarcoma	Single
Note: [HISTIO SARC] TGLs = 3-9			
Lung		Histiocytic Sarcoma	Single
Lymph Node	Mandibular	Histiocytic Sarcoma	Single
	Mesenteric	Histiocytic Sarcoma	Single
Note: [HISTIO SARC] TGLs = 2-7			
Skin		Acanthosis	Mild
		Parasite External	
Spleen		Histiocytic Sarcoma	Single
Note: [HISTIO SARC] TGLs = 1-8			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1803	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 705
	DOSE: 100 PPM 1-1	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 1-7]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Minimal

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LIVER TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1804	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 359
	DOSE: 100 PPM 1-1	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	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	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Thymus

OBSERVATIONS

Brain		Compression
Note: COMPRESSION TGLs = 1-3		
Lymph Node		
Note: MANDIBULAR LN NORMAL		
Pituitary Gland	Pars Distalis	Carcinoma
Note: CARCINOMA TGLs = 2-3		
Skin		Parasite External

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1805	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Pituitary Gland		

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
[Hyperostosis TGLS = 1-3]			
Liver		Infarct	Moderate
[Infarct TGLS = 4-4]			
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 3-6]			
Ovary		Thrombosis	
[Thrombosis TGLS = 2-5]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1806	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL				
Lung				
OBSERVATIONS				
Liver			Hepatocellular Adenoma	
Pituitary Gland		Pars Intermed	Adenoma	
Note: ADENOMA	TGLs = 1-2			
Thyroid Gland		Follicular Cel	Vacuolization Cytoplasmic	Minimal
PRIMARY CAUSE OF DEATH		-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1807	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung

OBSERVATIONS

Ovary	Follicle	Cyst	
Note: CYST TGLs = 2-3			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
[Hyperplasia TGLS = 1-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1808	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 562
	DOSE: 100 PPM 1-1	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Harderian Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 1-7			
Lung		Adenocarcinoma	Metastatic (Harderian Gland)
	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin		Acanthosis	Mild
		Parasite External	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-7, SKIN MASS IS HARDERIAN GLAND TUMOR
Animal Note: MORIBUND SACRIFICE DUE TO HARDERIAN GLAND TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1809	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Pituitary Gland	Thyroid Gland

OBSERVATIONS

Liver		Hematopoietic Cell Proliferation	Mild
Ovary	Follicle	Cyst	
Note: CYST TGLs = 1-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1810	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Spleen

OBSERVATIONS

Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Adenoma	
Note: ADENOMA TGLs = 3-2			
[Adenoma TGLS = 3-2]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild
Note: HYPERPLASIA TGLs = 2-4			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-3, SPLEEN WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1811	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung
Thyroid Gland

OBSERVATIONS

Lymph Node	Lumbar	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-6,3-7,6-5,7-3			
Mammary Gland		Adenocarcinoma	
Note: [ADENOCARC] TGLs = 1-4			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 5-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 4-3			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-4, CERVICAL LN IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1812	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 552
	DOSE: 100 PPM 1-1	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	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	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder
Uterus			

MISSING

Thymus

OBSERVATIONS

Heart		Mineralization	Mild
Kidney		Hemorrhage	Moderate
		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 6-11,7-11,8-10,9-10			
[Lymphoma Malignant Lymphocytic TGLS = 10-10]			
Liver		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 1-1			
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Lumbar	Lymphoma Malignant Lymphocytic	
	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 3-6,4-9,5-7,11-2			
Ovary	Periovarn Tiss	Lymphoma Malignant Lymphocytic	
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-8			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1812	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 552
	DOSE: 100 PPM 1-1	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CAUSE OF DEATH LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1813	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland Thyroid Gland

OBSERVATIONS

Liver	Centrilobular	Cytomegaly	Mild
Note: [CYTOMEGALY] TGLs = 2-3			
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
[Hyperplasia TGLS = 1-4]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1814	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Lung		
OBSERVATIONS			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 1-3			
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1815	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 655
	DOSE: 100 PPM 1-1	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Nose	Pancreas	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-7			
Bone Marrow	Femoral	Lymphoma Malignant Lymphocytic	
Brain		Hemorrhage	Moderate
Kidney		Lymphoma Malignant Lymphocytic	
Liver		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-1			
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Axillary	Lymphoma Malignant Lymphocytic	
	Deep Cervical	Lymphoma Malignant Lymphocytic	
	Inguinal	Lymphoma Malignant Lymphocytic	
	Lumbar	Lymphoma Malignant Lymphocytic	
	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
	Popliteal	Lymphoma Malignant Lymphocytic	
	Renal	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 12-10,13-14			
Note: LYMPH MAL LYMP TGLs = 4-2,5-6,6-8,7-3			
Note: LYMPH MAL LYMP TGLs = 8-11,9-9,10-12,11-15			
Ovary	Periovarn Tiss	Lymphoma Malignant Lymphocytic	
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1815	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 655
	DOSE: 100 PPM 1-1	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Skin		Acanthosis	Mild
		Parasite External	
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 3-16			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
Urinary Bladder		Lymphoma Malignant Lymphocytic	
Uterus		Lymphoma Malignant Lymphocytic	
PRIMARY CAUSE OF DEATH	-		

Animal Note: CAUSE OF DEATH, LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1816	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Pituitary Gland	Thyroid Gland

OBSERVATIONS

Lung		Alveolar/Bronchiolar Adenoma
[Alveolar/Bronchiolar Adenoma TGLS = 2-2]		
Ovary	Follicle	Cyst
Note: CYST TGLs = 1-3		

PRIMARY CAUSE OF DEATH -

Animal Note: TGL 3-3, SPLEEN WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1817	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Ovary	Pituitary Gland

OBSERVATIONS

Liver	Centrilobular	Cytomegaly	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Minimal

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-3, OVARY WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1818	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Lung	Pituitary Gland	
OBSERVATIONS			
Ovary		Angiectasis	Moderate
[Angiectasis TGLS = 1-3]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1819	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Lung		
OBSERVATIONS			
Ovary	Follicle	Cyst	
[Cyst TGLS = 1-3]			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1820	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver		Lymphoma Malignant Mixed	
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-3			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild
[Hyperplasia TGLS = 1-3]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1821	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Lung	Thyroid Gland	
OBSERVATIONS			
Intestine Small	Jejunum, Peyers Patch	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 2-3]			
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 1-3]			
Pituitary Gland	Pars Distalis	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1822	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Liver		Eosinophilic Focus	
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-3, NO NODULE, JUST EOSINOPHILIC FOCUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1823	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Lung		
OBSERVATIONS			
Intestine Small	Jejunum, Peyers Patch	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3-4			
Lymph Node	Pancreatic	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 4-4			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 5-4			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-2]			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-3			
Stomach	Forestomach	Cyst Epithelial Inclusion	
Note: CYST EPITH INC TGLs = 7-5			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Vacuolization Cytoplasmic	Mild
[Adenoma TGLS = 2-2]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1824	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Thyroid Gland

OBSERVATIONS

Ovary		Angiectasis	Mild
Note: ANGIECTASIS TGLs = 2-3			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1825	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland	Thyroid Gland	
OBSERVATIONS			
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 4-3			
Lymph Node	Mediastinal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3-3			
Ovary	Periovarn Tiss	Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 2-3]			
Stomach	Forestomach	Hyperplasia	Squamous, Moderate
Note: [HYPERPLASIA] TGLs = 5-4			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1826	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Lymph Node

OBSERVATIONS

Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 2-3			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-3, MANDIBULAR LN WITHIN NORMAL LIMITS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1827	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Liver	Lung	Thyroid Gland	
OBSERVATIONS			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1828	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 612
	DOSE: 100 PPM 1-1	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	Uterus

MISSING

Mammary Gland	Thymus

OBSERVATIONS

Gallbladder		Lymphoma Malignant Histiocytic	
Kidney		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 3-1			
Liver		Infarct	Mild
		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 6-9,7-10,8-1,9-10,10-9			
Lung		Lymphoma Malignant Histiocytic	
Lymph Node	Mediastinal	Lymphoma Malignant Histiocytic	
	Mesenteric	Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 2-2,5-7			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 4-6			
Pancreas	Acinus	Atrophy	Moderate
Spleen		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 1-8			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1829	**TRT#:** 11	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 100 PPM 1-1	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Pituitary Gland	Thyroid Gland

OBSERVATIONS

Liver	Eosinophilic Focus
Note: [EOSIN FOCUS] TGLs = 1-3	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1851	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Urinary Bladder		
OBSERVATIONS			
Harderian Gland	Bilateral	Adenoma	
Note: ADENOMA TGLs = 1-3,5-3			
Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 3-1,3-5			
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

Animal Note: TGL4-6, URINARY BLADDER IS WITHIN NORMAL LIMITS
Animal Note: TGL2-4, SPLEEN WITHIN NORMAL LIMITS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1852	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 668
	DOSE: 333 PPM 0-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	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	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Bone Marrow	Femoral	Lymphoma Malignant Mixed	
Liver		Hepatocellular Adenoma	
		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 5-7			
Note: [HEPATOCLR ADEN] TGLs = 4-1			
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3-8,6-2			
Ovary	Follicle	Cyst	
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-1			
Thymus		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1853	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung

OBSERVATIONS

Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1854	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	
		Necrosis	Minimal
Note: [HEPATOCLR ADEN] TGLs = 4-6			
[Eosinophilic Focus TGLS = 6-6]			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 3-4			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-3			
Thymus		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-5			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

Animal Note: TGL5-1,5-6, FOCI NOT APPARENT ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1855	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 569
	DOSE: 333 PPM 0-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Heart		Thrombosis	
Liver	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
	Oval Cell	Hyperplasia	Moderate
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-6			
Stomach	Glandular, Subserosa	Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus		Leiomyosarcoma	
Note: LEIOMYOSAR TGLs = 1-7			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO HEART THROMBUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1856	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 3-6,4-6			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-3,5-7,6-8			
Ovary	Periovarn Tiss	Cyst	
Note: CYST TGLs = 7-5			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-4			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 9-9			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 8-5			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1857	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
		Hemangiosarcoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-1,1-4			
[Cytomegaly TGLS = 1-1]			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
Note: ADENOMA TGLs = 2-2			
Spleen		Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 3-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1858	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL
Lung

MISSING
Pituitary Gland

OBSERVATIONS

Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 3-5]			
Spleen		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 2-3]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-4			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1859	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

OBSERVATIONS

Kidney		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 3-5]			
Liver	Centrilobular	Cytomegaly	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 1-3]			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Minimal
Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 2-4]			
Stomach	Forestomach	Acanthosis	Marked
[Acanthosis TGLS = 5-6]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL4-1, NO FOCUS SEEN AT TRIM

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1860	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

OBSERVATIONS

Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-1			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC] TGLs = 3-2			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
[Hyperplasia TGLS = 1-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1861	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 2-1,2-3]			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-2			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-4, SPLEEN IS WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1862	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
[Eosinophilic Focus TGLS = 1-1,2-3]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

Animal Note: TGL2-3, NODULE WITH DUODENUM IS LIVER TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1863	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Cytomegaly TGLS = 2-1]			
Lymph Node	Mandibular	Sarcoma	Metastatic (Uncertain Primary Site)
Note: SARCOMA TGLs = 1-3			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-2			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1864	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**
OBSERVATIONS			
Intestine Large	Colon	Leiomyosarcoma	
Note: LEIOMYOSAR TGLs = 2-4			
Intestine Small	Jejunum, Peyers Patch	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3-5			
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 4-1,4-6			
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Pancreatic	Leiomyosarcoma	Metastatic (Intestine Large)
	Mesenteric	Lymphoma Malignant Mixed	
Note: LEIOMYOSAR TGLs = 6-7			
Note: LYMPH MAL MIXD TGLs = 2-4			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-2			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-3			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1865	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 503
	DOSE: 333 PPM 0-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Liver		Hepatocellular Adenoma	
	Centrilobular	Necrosis	Mild
	Centrilobular	Vacuolization Cytoplasmic	Moderate
Note: [HEPATOCLR ADEN] TGLs = 3-1			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 1-7			
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-7,SKIN MASS IS MAMMARY TUMOR
Animal Note: CAUSE OF DEATH, MAMMARY GLAND ADENOCARCINOMA
Animal Note: TGL2-1, PALE LIVER NOT APPARENT ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1866	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung
Spleen

OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-1,1-4			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Note: [HYPERPLASIA] TGLs = 2-2			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Marked
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild
Note: HYPERPLASIA TGLs = 3-3			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL4-3, SPLEEN WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1867	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 667
	DOSE: 333 PPM 0-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node
Mammary Gland	Nose	Ovary	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Heart		Mineralization	Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Mineralization	Multifocal, Mild
		Vacuolization Cytoplasmic	Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Mesentery		Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 2-6			
Pancreas	Acinus	Atrophy	Moderate
	Acinus	Inflammation	Chronic Active, Moderate
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SAC. DUE TO MESENTERY GRANULOMATOUS INFLAMMATION
Animal Note: TGL2-6, TISSUE NOS IS MESENTERY

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1868	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Spleen		
OBSERVATIONS			
Liver		Basophilic Focus	
	Centrilobular	Cytomegaly	Minimal
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Cytomegaly TGLS = 1-4,2-3]			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

Animal Note: TGL3-5, SPLEEN WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1869	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-1,2-4			
Lymph Node	Mesenteric	Lymphoma Malignant Histiocytic	
[Lymphoma Malignant Histiocytic TGLS = 3-3]			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 4-5			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Histiocytic	
[Lymphoma Malignant Histiocytic TGLS = 1-5]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1870	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Pituitary Gland		

OBSERVATIONS

Liver		Basophilic Focus	
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 3,4-4			
Ovary	Follicle	Cyst	
[Cyst TGLS = 2-3]			
Spleen		Hemangiosarcoma	
[Hemangiosarcoma TGLS = 1-3]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1871	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Cytomegaly TGLS = 1-3]			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 2-2			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicular Cel	Vacuolization Cytoplasmic	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1872	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant Mixed	
Note: [HEPATOCLR ADEN] TGLs = 5-7			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Axillary	Lymphoma Malignant Mixed	
	Deep Cervical	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 1-3,2-4,3-5			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 4-6			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1873	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

OBSERVATIONS

Liver		Hemangiosarcoma	
		Hepatocellular Carcinoma	Multiple
[Hemangiosarcoma TGLS = 2-1]			
[Hepatocellular Carcinoma TGLS = 2-1,2-4]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 1-3]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1874	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
Note: INFARCT TGLs = 1-3			
[Hepatocellular Carcinoma TGLS = 2-1]			
Lung		Alveolar/Bronchiolar Adenoma	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-3, MESENTERIC FAT IS INFARCTED LIVER

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1875	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Pituitary Gland

OBSERVATIONS

Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 1-4]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
[Hyperplasia TGLS = 2-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1876	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 674
	DOSE: 333 PPM 0-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Lung	Mammary Gland	Nose
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow	Femoral	Lymphoma Malignant Mixed	
Intestine Small	Jejunum, Peyers Patch	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 4-4			
Kidney		Lymphoma Malignant Mixed	
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Lymphoma Malignant Mixed	
Note: HEPATOCLR CARC TGLs = 5-1,5-7,5-8			
[Lymphoma Malignant Mixed TGLS = 5-1,5-7,5-9,5-10]			
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-6,3-11,6-1,8-2			
Ovary	Periovarn Tiss	Lymphoma Malignant Mixed	
Pancreas		Lymphoma Malignant Mixed	
Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 2-1]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1876	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 674
	DOSE: 333 PPM 0-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL7-2, THYMUS WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1877	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 667
	DOSE: 333 PPM 0-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	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	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder
Uterus			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Bone Marrow		Angiectasis	Moderate
	Femoral	Histiocytic Sarcoma	Single
Kidney		Histiocytic Sarcoma	Single
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Histiocytic Sarcoma	Single
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 2-1,3-7			
Lung		Histiocytic Sarcoma	Single
Lymph Node	Mandibular	Histiocytic Sarcoma	Single
	Mesenteric	Histiocytic Sarcoma	Single
Note: [HISTIO SARC] TGLs = 4-4			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 1-1]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LIVER TUMORS AND LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1878	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-1			
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 2-3]			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-2			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1879	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 5-1			
Mammary Gland		Adenocarcinoma	
Note: [ADENOCARC] TGLs = 2-3			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-2			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-4]			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 6-2]			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
[Hyperplasia TGLS = 4-5]			
PRIMARY CAUSE OF DEATH	-		
Animal Note: TGL2-3, SKIN MASS IS MAMMARY TUMOR			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1880	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 529
	DOSE: 333 PPM 0-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

MISSING

Thymus

OBSERVATIONS

Brain		Histiocytic Sarcoma	Single
Liver		Histiocytic Sarcoma	Single
Note: [HISTIO SARC] TGLs = 2-1			
Lung		Histiocytic Sarcoma	Single
Lymph Node	Mandibular	Histiocytic Sarcoma	Single
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Histiocytic Sarcoma	Single
Note: [HISTIO SARC] TGLs = 1-1			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Minimal

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1881	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**
OBSERVATIONS			
Eye		Atrophy	Marked
[Atrophy TGLS = 3-6]			
Harderian Gland		Adenocarcinoma	
[Adenocarcinoma TGLS = 4-3]			
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1-4,2-5			
Lung	Peribronchiolr	Inflammation	Chronic Active, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1882	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-1			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-2			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1883	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**
OBSERVATIONS			
Liver		Hemangiosarcoma	
		Hepatocellular Carcinoma	
		Infarct	Moderate
[Hemangiosarcoma TGLS = 2-1]			
[Hepatocellular Carcinoma TGLS = 3-4]			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 1-3			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1884	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Pituitary Gland			
OBSERVATIONS			
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-1			
Lung	Peribronchiolr	Inflammation	Chronic Active, Moderate
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1885	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**
OBSERVATIONS			
Kidney		Lymphoma Malignant Mixed	
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 4-4,5-5			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 6-7,7-6			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-2			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 3-8			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1886	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 2-1,3-1,5-1]			
Ovary	Periovarn Tiss	Cyst	
Note: CYST TGLs = 4-3			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-3, SPLEEN WITHIN NORMAL LIMITS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1887	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Harderian Gland		Adenoma	
[Adenoma TGLS = 1-3]			
Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 2-1]			
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
[Hyperplasia TGLS = 3-3]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1888	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 1-1,1-3]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1889	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-1			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 1-3			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1890	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 3-1			
Lung	Peribronchiolr	Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 4-2			
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 1-3]			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-2			
Spleen		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 2-3]			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Marked
[Vacuolization Cytoplasmic TGLS = 6-2]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1891	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen

OBSERVATIONS

Bone	Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 2-3,2-5			
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 4-1			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 1-2			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
[Hyperplasia TGLS = 5-4]			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL3-4, SPLEEN WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1892	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung | Pituitary Gland | Thyroid Gland

OBSERVATIONS

Liver	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	Multiple
	Infarct	Moderate

[Hepatocellular Carcinoma TGLS = 1-1,1-3,1-4]
[Infarct TGLS = 1-3]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1893	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 3-5]			
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 4-6			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 2-4			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 1-3]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1894	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 1-1,1-4]			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild
[Hyperplasia TGLS = 2-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1895	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Kidney		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 4-3]			
Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 1-4,2-4,3-4]			
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1896	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 1-1,1-3,1-4]			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Stomach	Forestomach	Acanthosis	Mild
[Acanthosis TGLS = 2-5]			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1897	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**
OBSERVATIONS			
Eye		Atrophy	Marked
Note: ATROPHY TGLs = 2-3			
Harderian Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 1-3			
Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 3-4,5-4			
Lung		Alveolar/Bronchiolar Adenoma	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-2			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1898	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

OBSERVATIONS

Liver		Hepatocellular Adenoma	
		Lymphoma Malignant Lymphocytic	
Note: [HEPATOCLR ADEN] TGLs = 4-4,5-4			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 2-2			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-2			
Spleen		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 3-3]			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1899	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 333 PPM 0-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Heart	Intestine Large - Colon	Intestine Small - Duodenum
Kidney	Lung	Nose	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	
AUTO PRECLUDES DIAG.			
Gallbladder	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Pancreas	

OBSERVATIONS			
Bone Marrow	Femoral	Lymphoma Malignant	
Liver		Hepatocellular Carcinoma	
		Lymphoma Malignant	
Note: HEPATOCLR CARC TGLs = 3-7			
Lymph Node	Mandibular	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Mesenteric	Lymphoma Malignant	
Note: [LYMPH MAL] TGLs = 4-8			
Ovary		Cystadenoma	Papillary
Note: CYSTADENOMA TGLs = 2-6			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Lymphoma Malignant	
Note: [LYMPH MAL] TGLs = 1-1			
Thymus		Lymphoma Malignant	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

Animal Note: CAUSE OF DEATH, LYMPHOMA AND LIVER TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1900	**TRT#:** 12	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 333 PPM 0-3	**DISP:** Terminal Sacrifice	**HISTO:**

OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 2-4,2-5]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Note: INFLAMMATION TGLs = 3-2			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hemangiosarcoma	
[Hemangiosarcoma TGLS = 1-3]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1901	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 2-1,2-4			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		
Animal Note: TGL3-3, PITUITARY NSL ON MICRO			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1902	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 333 PPM 3-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Nose	Pancreas	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Trachea		

MISSING

Mammary Gland	Parathyroid Gland	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Lymphocytic	
Bone Marrow	Femoral	Lymphoma Malignant Lymphocytic	
Intestine Small	Jejunum, Peyers Patch	Lymphoma Malignant Lymphocytic	
Kidney		Lymphoma Malignant Lymphocytic	
Liver		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 8-1,8-10,8-11]			
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Lumbar	Lymphoma Malignant Lymphocytic	
	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
	Renal	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 3-6,4-2,5-4,6-1,7-9			
Ovary	Periovarn Tiss	Lymphoma Malignant Lymphocytic	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Acanthosis	Mild
	Subcut Tiss	Inflammation	Chronic Active, Mild
	Subcut Tiss	Lymphoma Malignant Lymphocytic	
		Parasite External	
Note: LYMPH MAL LYMP TGLs = 1-7,2-8			
Spleen		Lymphoma Malignant Lymphocytic	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1902	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 333 PPM 3-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant Lymphocytic TGLS = 9-1]			
Thymus		Lymphoma Malignant Lymphocytic	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus		Lymphoma Malignant Lymphocytic	
PRIMARY CAUSE OF DEATH	-		

Animal Note: MORIBUND SACRIFICE DUE TO MALIGNANT LYMPHOMA, LEUKEMIC

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1903	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 647
	DOSE: 333 PPM 3-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2-8,3-7,5-8			
Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 1-2]			
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 4-4			
Pituitary Gland	Pars Distalis	Adenoma	
Skin		Acanthosis	Mild
	Subcut Tiss	Lymphoma Malignant Lymphocytic	
		Parasite External	
Thymus		Depletion Lymphoid	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LUNG AND LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1904	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 333 PPM 3-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
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	Pancreas	Parathyroid Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder	Uterus		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Bone Marrow	Femoral	Lymphoma Malignant Undifferentiated Cell Type	
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 2-1			
Note: HEPATOCLR CARC TGLs = 1-8,4-7,5-7			
Lymph Node	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Acanthosis	Mild
		Parasite External	
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 3-1			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SAC DUE TO LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1905	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
		Infarct	Moderate
		Inflammation	Chronic Active, Moderate
[Cytomegaly TGLS = 5-1]			
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 1-3,2-4,3-5			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 4-5			
Stomach	Forestomach	Diverticulum	Mild
Note: DIVERTICULUM TGLs = 7-7			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Marked
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild
Note: HYPERPLASIA TGLs = 6-6			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1906	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3-4,4-5			
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-3			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 1-3			
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1907	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Pituitary Gland		

OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 2-1,2-4			
Spleen		Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 1-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 3-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1908	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 1-3]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1909	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 4-3]			
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-3			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 3-2			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: ADENOMA TGLs = 1-2			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1910	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-1,2-3			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1911	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2-1,2-3			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 3-4			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-2]			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1912	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Pituitary Gland			
OBSERVATIONS			
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 1-3			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1913	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Minimal
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 5-1			
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 4-5]			
Ovary	Follicle	Cyst	
[Cyst TGLS = 1-3]			
Pancreas	Acinus	Atrophy	Moderate
	Duct	Ectasia	Moderate
Note: ECTASIA TGLs = 3-4			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 2-3			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1914	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1-3,2-4			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
[Hyperplasia TGLS = 3-5]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1915	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 660
	DOSE: 333 PPM 3-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Heart		Degeneration	Chronic, Marked
Liver		Infarct	Mild
		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 1-1]			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
Ovary	Periovarn Tiss	Cyst	
Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 2-7]			
Stomach	Forestomach	Hyperplasia	Squamous, Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1916	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

OBSERVATIONS

Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Lymphoma Malignant Undifferentiated Cell Type	
[Lymphoma Malignant Undifferentiated Cell Type TGLS = 5-1,5-9]			
Lung		Alveolar/Bronchiolar Adenoma	
		Lymphoma Malignant Undifferentiated Cell Type	
Note: ALV BRON ADEN TGLs = 8-6			
Lymph Node	Mediastinal	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
	Pancreatic	Lymphoma Malignant Undifferentiated Cell Type	
	Renal	Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 3-4,4-7,6-3,7-5			
Mammary Gland		Adenocarcinoma	
Note: [ADENOCARC] TGLs = 1-8			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-2]			
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
[Lymphoma Malignant Undifferentiated Cell Type TGLS = 2-4]			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Marked

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-8, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1917	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 688
	DOSE: 333 PPM 3-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea

MISSING

Ovary

OBSERVATIONS

Liver		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 5-8			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Mesentery		Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 4-9,5-8			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 1-1			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
Urinary Bladder		Inflammation	Chronic Active, Mild
Uterus		Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 3-7			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO MESENTERIC INFLAMMATION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1918	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL
Lung

INSUFFICIENT TISSUE
Pituitary Gland

OBSERVATIONS

Liver		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-3			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 1-4			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1919	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 605
	DOSE: 333 PPM 3-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	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
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Capsule	Adenoma	
Kidney	Renal Tubule	Dilatation	Moderate
Note: DILATATION TGLs = 5-1			
Liver		Hemangiosarcoma	Multiple
		Hematopoietic Cell Proliferation	Marked
		Histiocytic Sarcoma	Single
Note: HEMANGIOSARC TGLs = 3-7			
[Hemangiosarcoma TGLS = 2-1]			
Lung		Histiocytic Sarcoma	Single
Lymph Node	Mandibular	Hemangiosarcoma	Metastatic (Liver)
Ovary	Follicle	Cyst	
Note: CYST TGLs = 4-6			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 1-1			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO MULTIPLE TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1920	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Intestine Small	Jejunum, Peyers Patch	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-6			
Liver	Centrilobular	Cytomegaly	Mild
		Hematopoietic Cell Proliferation	Moderate
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3-4,4-3			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-5			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1921	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Liver	Centrilobular	Cytomegaly	Minimal
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1-4,2-4,4-4,5-4			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 3-3]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1922	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-3,2-3			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1923	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL
Lung

MISSING
Lymph Node - Mesenteric

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 2-4,2-5]			
Pituitary Gland	Pars Distalis	Hyperplasia	Marked
Spleen		Hyperplasia	Lymphoid, Marked
Note: [HYPERPLASIA] TGLs = 1-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL3, MESENTERIC LN MISSING AT TRIM

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1924	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 698
	DOSE: 333 PPM 3-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
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	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Trachea	

OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
Liver		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant Mixed	
Note: [HEPATOCLR ADEN] TGLs = 4-9,5-9,6-10,10-8			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Lumbar	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-6,2-12,7-2,8-11,9-7			
Ovary	Periovarn Tiss	Lymphoma Malignant Mixed	
Skin		Parasite External	
Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 3-1]			
Thymus		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
Urinary Bladder		Lymphoma Malignant Mixed	
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1925	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 680
	DOSE: 333 PPM 3-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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
Pancreas	Parathyroid Gland	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-8,3-7			
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 4-4			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1926	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-3			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1927	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 677
	DOSE: 333 PPM 3-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Stomach - Glandular	Thymus	Trachea
Uterus			

OBSERVATIONS

Bone Marrow	Femoral	Lymphoma Malignant Lymphocytic	
Liver		Hepatocellular Carcinoma	
		Lymphoma Malignant Lymphocytic	
Note: HEPATOCLR CARC TGLs = 2-7			
Lung		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 3-2			
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
Pituitary Gland	Pars Distalis	Adenoma	
Skin		Acanthosis	Moderate
		Parasite External	
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 1-1			
Stomach	Forestomach	Lymphoma Malignant Lymphocytic	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Urinary Bladder		Lymphoma Malignant Lymphocytic	

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LIVER TUMOR, AND LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1928	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Pituitary Gland			
OBSERVATIONS			
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-4			
Lung	Alveolar Epith	Hyperplasia	Mild
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

Animal Note: TGL3, LIVER CYST NOT SEEN AT TRIM

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1929	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 706
	DOSE: 333 PPM 3-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lung	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder
Uterus			

MISSING

Thymus

AUTO PRECLUDES DIAG.

Gallbladder	Lymph Node - Mesenteric

OBSERVATIONS

Heart		Inflammation	Acute, Mild
Intestine Large	Colon	Parasite Metazoan	
Note: PARASITE META TGLs = 2-4			
Liver		Hepatocellular Carcinoma	
		Infarct	Moderate
	Centrilobular	Necrosis	Acute, Moderate
Note: HEPATOCLR CARC TGLs = 1-7,1-8,1-9			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Ovary	Follicle	Cyst	
Skin		Acanthosis	Mild
		Parasite External	
Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL3-4, MESENTERIC LN AUTOLYSIS
Animal Note: CAUSE OF DEATH, LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1930	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	Multiple
[Cytomegaly TGLS = 2-4]			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1931	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 1-1]			
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1932	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Intestine Small	Jejunum, Peyers Patch	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 6-4			
Liver		Basophilic Focus	
		Hepatocellular Carcinoma	Multiple
Note: [BASOPH FOCUS] TGLs = 5-1			
[Hepatocellular Carcinoma TGLS = 3-1,3-3]			
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 7-4,8-5			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-2			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-3			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL4-1, MASS LOST IN CUTTING

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1933	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 1-1]			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1934	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 621
	DOSE: 333 PPM 3-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Liver		Hemangiosarcoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
[Hemangiosarcoma TGLS = 4-8,5-1]			
[Infarct TGLS = 6-8]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin		Acanthosis	Mild
		Parasite External	
Spleen		Hemangiosarcoma	
[Hemangiosarcoma TGLS = 1-7]			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL3-1,3-8, ENLARGED PALE LIVER COVERED BY TUMOR TGL,S
Animal Note: CAUSE OF DEATH MULTIPLE LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1935	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 2-1,2-3			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Spleen		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 1-3]			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Minimal
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1936	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 709
	DOSE: 333 PPM 3-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 8-11			
Note: HEPATOCLR CARC TGLs = 5-8,6-9,7-10			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3-1,4-7			
Ovary	Follicle	Cyst	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Acanthosis	Mild
		Parasite External	
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-1,2-1			
Thymus		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LIVER TUMORS AND LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1937	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver		Hemangiosarcoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 2-1]			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 1-3			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1938	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Minimal
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1-3,3-3			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 2-2			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1939	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Intestine Small	Jejunum, Peyers Patch	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 4-4			
Liver		Basophilic Focus	
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 1-3,2-1,5-4			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3-3			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL5-4, MASS ATTACHED TO STOMACH IS LIVER TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1940	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 663
	DOSE: 333 PPM 3-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lung	Lymph Node
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

MISSING

Intestine Small - Ileum

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Clitoral Gland		Dilatation	Moderate
Note: DILATATION TGLs = 2-10			
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 4-8,5-7			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Mammary Gland		Adenocarcinoma	
Note: [ADENOCARC] TGLs = 1-9			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Acanthosis	Mild
		Parasite External	
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Hyperplasia	Squamous, Minimal
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1940	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 663
	DOSE: 333 PPM 3-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CAUSE OF DEATH, LIVER AND MAMMARY TUMORS
Animal Note: TGL3-2, LUNG HEMORRHAGE IS NOT A SIGNIFICANT LESION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1941	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 333 PPM 3-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Medulla	Bone	Brain	Esophagus
Heart	Intestine Large - Colon	Islets, Pancreatic	Lung
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Trachea	Uterus
MISSING			
Gallbladder	Thymus		
AUTO PRECLUDES DIAG.			
Intestine Large - Cecum	Intestine Large - Rectum	Stomach - Forestomach	Stomach - Glandular
Urinary Bladder			

OBSERVATIONS			
Adrenal Gland	Cortex	Lymphoma Malignant	
Bone Marrow	Femoral	Lymphoma Malignant	
Intestine Small	Jejunum, Peyers Patch	Lymphoma Malignant	
Note: [LYMPH MAL] TGLs = 2-4,2-10			
Kidney		Lymphoma Malignant	
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 3-7,4-9,5-8			
Lymph Node	Mediastinal	Lymphoma Malignant	
	Mesenteric	Lymphoma Malignant	
Note: [LYMPH MAL] TGLs = 6-11			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Parasite External	
Spleen		Lymphoma Malignant	
Note: [LYMPH MAL] TGLs = 1-1			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, LIVER TUMORS AND LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1942	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Eye		Atrophy	Marked
Note: ATROPHY TGLs = 3-4			
Harderian Gland		Adenoma	
		Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 4-4			
Note: ADENOMA TGLs = 4-4			
Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 2-1,2-3]			
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 6-5			
Ovary	Follicle	Cyst	
	Periovarn Tiss	Cyst	
Note: CYST TGLs = 7-5			
Note: CYST TGLs = 8-5			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-2			
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 1-3			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1943	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 688
	DOSE: 333 PPM 3-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	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
Stomach - Forestomach	Stomach - Glandular	Trachea	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Mixed	
Bone Marrow	Femoral	Lymphoma Malignant Mixed	
Heart		Bacterium	Acute, Multiple, Moderate
		Inflammation	Acute, Moderate
		Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
Liver		Hepatocellular Adenoma	
		Lymphoma Malignant Mixed	
Note: [HEPATOCLR ADEN] TGLs = 3-7			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
Ovary	Periovarn Tiss	Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Lymphoma Malignant Mixed	
Salivary Glands		Lymphoma Malignant Mixed	
Skin	Subcut Tiss	Lymphoma Malignant Mixed	
Spleen		Lymphoma Malignant Mixed	
		Necrosis	Acute, Moderate
Note: NECROSIS TGLs = 2-1			
Note: LYMPH MAL MIXD TGLs = 1-1			
Thymus		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
Urinary Bladder		Lymphoma Malignant Mixed	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1943	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 688
	DOSE: 333 PPM 3-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1944	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 3-4,4-4			
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-2			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1945	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 2-3]			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-2]			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Marked
[Adenoma TGLS = 3-2]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1946	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Liver	Centrilobular	Cytomegaly	Minimal
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Infarct	Marked
[Hepatocellular Carcinoma TGLS = 1-4,1-5]			
[Infarct TGLS = 1-5]			
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-3			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1947	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3-1,4-4,5-4,6-5,7-5,8-6			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 2-3			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-2			
Stomach	Forestomach	Hyperplasia	Squamous, Mild
Note: [HYPERPLASIA] TGLs = 9-7			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1948	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Liver		Fatty Change	Focal, Minimal
Note: [FATTY CHANGE] TGLs = 3-4			
Ovary	Periovarn Tiss	Cyst	
Note: CYST TGLs = 2-3			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1949	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 333 PPM 3-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Kidney	Lung	Mammary Gland	Nose
Ovary	Parathyroid Gland	Pituitary Gland	Skin
Stomach - Glandular	Thyroid Gland	Trachea	Uterus
MISSING			
Salivary Glands	Thymus		
AUTO PRECLUDES DIAG.			
Gallbladder	Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Pancreas	Urinary Bladder	
OBSERVATIONS			
Heart		Bacterium	Acute, Multiple, Moderate
Intestine Small	Jejunum, Peyers Patch	Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 2-8			
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3-7			
Lymph Node	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: MANDIBULAR LN NORMAL			
Note: [LYMPH MAL LYMP] TGLs = 6-9			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 1-1			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 5-4			
PRIMARY CAUSE OF DEATH	-		

Animal Note: CAUSE OF DEATH, LYMPHOMA
Animal Note: TGL4-2, LUNG HEMORRHAGE IS NOT A SIGNIFICANT LESION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1950	**TRT#:** 13	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 333 PPM 3-3	**DISP:** Terminal Sacrifice	**HISTO:**

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant Mixed	
Note: HEPATOCLR CARC TGLs = 4-6			
Note: LYMPH MAL MIXD TGLs = 4-1			
Lung		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 1-2]			
Lymph Node	Mediastinal	Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 2-5]			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 5-4			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 3-3]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1951	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 701
	DOSE: 333 PPM 10-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	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
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	Uterus

MISSING

Thymus

OBSERVATIONS

Kidney		Lymphoma Malignant Undifferentiated Cell Type	
Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 4-9			
[Hepatocellular Carcinoma TGLS = 3-7,2-8]			
Lung		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
	Mediastinal	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 5-4,6-6,7-2			
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 1-1			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA AND LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1952	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 738
	DOSE: 333 PPM 10-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Harderian Gland		Adenoma	
Note: ADENOMA TGLs = 1-5			
Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 4-8,4-9]			
Lung		Fibrosarcoma	Metastatic (Skin)
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Mesentery		Fibrosarcoma	Metastatic (Skin)
Ovary	Follicle	Cyst	
Pituitary Gland	Pars Distalis	Adenoma	
Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 3-7,2-10]			
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO SKIN TUMOR
Animal Note: TGL2-10, SKIN TUMOR, NOT CLITORAL GLAND

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1953	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 625
	DOSE: 333 PPM 10-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node
Mammary Gland	Nose	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Bone	Lumbar	Osteosarcoma	
Note: OSTEOSARC TGLs = 4-8			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 6-1,7-1			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Ovary	Follicle	Cyst	
		Inflammation	Suppurative, Marked
Note: CYST TGLs = 1-6			
Pancreas	Acinus	Atrophy	Moderate
	Duct	Ectasia	Moderate
Note: ECTASIA TGLs = 3-7			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
Uterus		Dilatation	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL5-6, NCL, VAGINA IS ACTUALLY UTERUS
Animal Note: MORIBUND SACRIFICE DUE TO SPINAL TUMOR
Animal Note: TGL2-6, NCL, BLADDER IS WITHIN NORMAL LIMITS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1954	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 698
	DOSE: 333 PPM 10-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Nose
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Heart	Interstitium	Hyperplasia	Diffuse, Moderate
Kidney	Glomerulus	Inflammation	Acute, Moderate
Liver		Hematopoietic Cell Proliferation	Mild
		Inflammation	Acute, Moderate
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 3-8			
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 1-7			
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 2-9			
Pancreas	Acinus	Atrophy	Mild
Thymus		Depletion Lymphoid	Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LARGE MAMMARY TUMOR
Animal Note: TGL1-7, IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1955	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1-1			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 2-3			
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1956	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 1-1]			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1957	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 738
	DOSE: 333 PPM 10-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
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	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Trachea

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Moderate
Kidney		Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 7-13			
Lung		Alveolar/Bronchiolar Adenoma	
		Lymphoma Malignant Mixed	
Note: ALV BRON ADEN TGLs = 1-2			
Lymph Node	Lumbar	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-8,4-2,4-12,5-9,6-7,8-11			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3-10			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Urinary Bladder		Lymphoma Malignant Mixed	
Uterus		Dilatation	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1957	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 738
	DOSE: 333 PPM 10-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1958	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 710
	DOSE: 333 PPM 10-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	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	Nose	Parathyroid Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Trachea
Uterus			

OBSERVATIONS

Adrenal Gland	Corticomed Jct	Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 10-1]			
Liver		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant Mixed	
Note: [HEPATOCLR ADEN] TGLs = 13-16			
[Lymphoma Malignant Mixed TGLS = 12-1]			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Axillary	Lymphoma Malignant Mixed	
	Lumbar	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Pancreatic	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-11,3-7,6-12,7-15,8-8,9-14			
Note: LYMPH MAL MIXD TGLs = 11-10			
Ovary	Periovarn Tiss	Lymphoma Malignant Mixed	
Pancreas		Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Adenoma	
Skin	Subcut Tiss	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-9			
Spleen		Lymphoma Malignant Mixed	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1958	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 710
	DOSE: 333 PPM 10-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LYMPH MAL MIXD TGLs = 4-13,5-13			
Thymus		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Vacuolization Cytoplasmic	Minimal
Urinary Bladder		Lymphoma Malignant Mixed	
PRIMARY CAUSE OF DEATH	-		

Animal Note: LIVER CARCINOMA IN SLIDES 1 AND 16 ARE SAME TUMOR
Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1959	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

OBSERVATIONS

Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 3-3			
Lung		Alveolar/Bronchiolar Adenoma	Multiple
		Lymphoma Malignant Mixed	
Note: ALV BRON ADEN TGLs = 4-2,5-2			
Ovary		Hemorrhage	Marked
Note: HEMORRHAGE TGLs = 2-3			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1960	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Spleen		

OBSERVATIONS

Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3-1,5-1,4-3			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 1-3			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL2-3, SPLEEN WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1961	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 738
	DOSE: 333 PPM 10-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Liver		Hemangiosarcoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Infarct	Moderate
Note: HEMANGIOSARC TGLs = 5-8			
Note: HEPATOCLR CARC TGLs = 4-8			
Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-6			
Spleen		Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 2-7,3-7			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LIVER AND SPLEEN TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1962	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 440
	DOSE: 333 PPM 10-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lung	Lymph Node
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus
AUTO PRECLUDES DIAG.			
Gallbladder			
OBSERVATIONS			
Heart		Inflammation	Chronic, Mild
Kidney	Glomerulus	Inflammation	Chronic, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Mammary Gland		Adenocarcinoma	
Note: [ADENOCARC] TGLs = 1-7			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Fibrosis	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

Animal Note: TGL1-7, SKIN MASS IS MAMMARY TUMOR
Animal Note: CAUSE OF DEATH UNDETERMINED

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1963	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

OBSERVATIONS

Intestine Small	Jejunum, Peyers Patch	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 8-3			
Liver	Centrilobular	Cytomegaly	Minimal
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2-1,3-3,4-1			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 5-2			
Ovary	Follicle	Cyst	
[Cyst TGLS = 9-3]			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 7-2			
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 1-3			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
[Hyperplasia TGLS = 6-2]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1964	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung
Spleen

OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1-1,1-3			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 4-3			
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus		Angiectasis	Mild
	Endometrium	Hyperplasia	Cystic, Glandular, Mild
[Angiectasis TGLS = 3-3]			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL2-3, SPLEEN WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1965	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung Spleen

OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 3-1,3-3			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
[Hyperplasia TGLS = 2-3]			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-3, SPLEEN WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1966	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**
OBSERVATIONS			
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant Mixed	
Note: HEPATOCLR CARC TGLs = 3-1,3-3			
Lung		Alveolar/Bronchiolar Adenoma	
Ovary	Periovarn Tiss	Cyst	
Note: CYST TGLs = 1-3			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-3			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1967	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Liver	Centrilobular	Cytomegaly	Minimal
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 2-1,2-3]			
Ovary	Follicle	Cyst	
[Cyst TGLS = 3-3]			
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
[Hyperplasia TGLS = 1-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1968	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Spleen		

OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 2-1,2-3			
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-3, SPLEEN IS WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1969	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 1-1,1-3]			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 2-2			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1970	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 653
	DOSE: 333 PPM 10-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Urinary Bladder

MISSING

Gallbladder	Mammary Gland	Thymus

OBSERVATIONS

Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
		Inflammation	Chronic Active, Minimal
Note: HEPATOCLR CARC TGLs = 1-7			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Minimal

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1971	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 653
	DOSE: 333 PPM 10-3	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

MISSING

Mammary Gland	Thymus

OBSERVATIONS

Liver	Centrilobular	Cytomegaly	Minimal
		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Pancreatic	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-6,2-10,3-8,5-7			
Ovary	Periovarn Tiss	Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 4-9			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1972	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung Spleen

OBSERVATIONS

Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 5-1,5-3			
Ovary	Periovarn Tiss	Cyst	
Note: CYST TGLs = 3-5			
Pancreas	Duct	Ectasia	Moderate
Note: ECTASIA TGLs = 2-7			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
Note: ADENOMA TGLs = 6-4			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 4-6			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-8, SPLEEN WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1973	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL
Lung

INSUFFICIENT TISSUE
Pituitary Gland

OBSERVATIONS

Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-3,2-3,3-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1974	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Spleen		

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant Undifferentiated Cell Type	
[Hepatocellular Carcinoma TGLS = 1-1,1-5]			
Lymph Node	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 2-4			
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL3-3, SPLEEN WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1975	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

OBSERVATIONS

Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 1-1,1-4]			
Lung		Lymphoma Malignant Lymphocytic	
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-3			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1976	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 734
	DOSE: 333 PPM 10-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Bone	Bone Marrow	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lung	Pancreas	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Urinary Bladder			
MISSING			
Lymph Node	Nose	Parathyroid Gland	Pituitary Gland
Thymus	Thyroid Gland	Trachea	
AUTO PRECLUDES DIAG.			
Gallbladder			
INSUFFICIENT TISSUE			
Adrenal Gland - Cortex	Adrenal Gland - Medulla		
OBSERVATIONS			
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2-8,3-8			
Lymph Node			
Note: MANDIBULAR LN MISSING			
Mammary Gland		Adenocarcinoma	
Note: [ADENOCARC] TGLs = 1-7			
Ovary	Follicle	Cyst	
PRIMARY CAUSE OF DEATH	-		

Animal Note: TGL1-7, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1977	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Spleen

OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2-4,4-4,5-4			
Ovary		Cystadenoma	Papillary
[Cystadenoma TGLS = 1-3]			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: TGL3-3, SPLEEN WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1978	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
Note: ADENOMA TGLs = 1-2			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1979	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Pituitary Gland		
OBSERVATIONS			
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-3			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1980	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Pituitary Gland

OBSERVATIONS

Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 1-3]			
Lung		Alveolar/Bronchiolar Adenoma	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1981	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

OBSERVATIONS

Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant Lymphocytic	
Note: [HEPATOCLR ADEN] TGLs = 3-5,4-4,6-6			
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mesenteric	Inflammation	Chronic Active, Marked
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: INFLAMMATION TGLs = 5-3			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-3			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: ADENOMA TGLs = 1-2			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1982	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 665
	DOSE: 333 PPM 10-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Colon
Kidney	Lung	Mammary Gland	Nose
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Trachea	Uterus	

MISSING

Ovary	Thymus

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Pancreas
Urinary Bladder			

OBSERVATIONS

Liver		Hepatocellular Adenoma	
		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 5-1,5-11]			
Lymph Node	Mediastinal	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3-7,6-10			
Note: MANDIBULAR LN AUTOLYZED			
Skin	Subcut Tiss	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-8			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-9			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Minimal

PRIMARY CAUSE OF DEATH -

Animal Note: TGL4-6, BLACK PIGMENT IN UTERUS WAS REALLY GUT SECTION
Animal Note: CAUSE OF DEATH, LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1983	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-4			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 1-3]			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL3-2, RED FOCI IN LUNG IS NOT SIGNIFICANT LESION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1984	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 3-1]			
Lymph Node	Mandibular	Hyperplasia	Reticulum Cell, Moderate
Note: [HYPERPLASIA] TGLs = 1-3			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus		Angiectasis	Mild
[Angiectasis TGLS = 2-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1985	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

OBSERVATIONS

Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 1-1,2-4			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 3-3			
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1986	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3-6,4-5,5-7			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 1-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild
Note: HYPERPLASIA TGLs = 2-4			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1987	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Stomach - Forestomach		
OBSERVATIONS			
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 2-1,2-3]			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

Animal Note: TGL1-4, FORESTOMACH NODULE NOT ON SLIDE OR IN WET TISSUE

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1988	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen

OBSERVATIONS

Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 2-4]			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 1-2			
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: TGL3-3, SPLEEN WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1989	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-4,5-4,6-4			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-2			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 4-3			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Mild
Note: ADENOMA TGLs = 3-2			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1990	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
		Histiocytic Sarcoma	Single
Note: [HEPATOCLR ADEN] TGLs = 2-1			
Lung		Histiocytic Sarcoma	Single
Lymph Node	Mesenteric	Histiocytic Sarcoma	Single
Note: [HISTIO SARC] TGLs = 3-4			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
		Histiocytic Sarcoma	Single
Note: HEMA CELL PROL TGLs = 4-3			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus		Histiocytic Sarcoma	Single
	Endometrium	Hyperplasia	Cystic, Glandular, Mild
Note: HYPERPLASIA TGLs = 1-3			
Note: [HISTIO SARC] TGLs = 1-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1991	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2-4,3-4			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-2			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 1-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1992	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 650
	DOSE: 333 PPM 10-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Heart	Kidney	Nose	Ovary
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Uterus
MISSING			
Mammary Gland	Pituitary Gland	Thymus	
AUTO PRECLUDES DIAG.			
Bone Marrow	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Pancreas	Urinary Bladder	

OBSERVATIONS			
Brain		Histiocytic Sarcoma	Single
Liver		Hepatocellular Adenoma	
		Histiocytic Sarcoma	Single
		Infarct	Moderate
Note: [HISTIO SARC] TGLs = 2-1			
Lung		Histiocytic Sarcoma	Single
Lymph Node	Mandibular	Histiocytic Sarcoma	Single
Spleen		Histiocytic Sarcoma	Single
Note: [HISTIO SARC] TGLs = 1-7			

PRIMARY CAUSE OF DEATH	-

Animal Note: CAUSE OF DEATH, HISTIOCYTIC SARCOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1993	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

OBSERVATIONS

Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-3			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 4-2			
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-5			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: TGL3-4, 1MM LIVER NODULE LOST IN CUTTING

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1994	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
Note: [HEPATOCLR CARC] TGLs = 1-5,4-4			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-2			
Spleen		Hyperplasia	Lymphoid, Marked
Note: [HYPERPLASIA] TGLs = 4-5			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
Note: ADENOMA TGLs = 5-2			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1995	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2-3,3-4			
Ovary		Cystadenoma	Papillary
Note: CYSTADENOMA TGLs = 1-5			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
Spleen		Hyperplasia	Lymphoid, Marked
Note: [HYPERPLASIA] TGLs = 4-5			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1996	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-3,2-4			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 3-5			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1997	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung			
OBSERVATIONS			
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1-4,2-3			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Adenoma	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1998	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

OBSERVATIONS

Kidney		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 6-4			
Liver		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant Undifferentiated Cell Type	
Note: [HEPATOCLR ADEN] TGLs = 7-7,8-6,11-7,12-8,13-9			
Lung		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Lumbar	Lymphoma Malignant Undifferentiated Cell Type	
	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 3-13,5-14,9-3			
Ovary	Periovarn Tiss	Cyst	
		Lymphoma Malignant Undifferentiated Cell Type	
Note: CYST TGLs = 4-11			
Note: [LYMPH MAL UNDF] TGLs = 4-11			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
Note: ADENOMA TGLs = 14-2			
Skin	Subcut Tiss	Sarcoma	
Note: [SARCOMA] TGLs = 1-10			
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 2-5			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: ADENOMA TGLs = 10-12			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1999	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 619
	DOSE: 333 PPM 10-3	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Bone	Brain	Esophagus	Heart
Islets, Pancreatic	Kidney	Lung	Mammary Gland
Nose	Ovary	Pancreas	Pituitary Gland
Salivary Glands			
MISSING			
Parathyroid Gland	Thymus		
AUTO PRECLUDES DIAG.			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Lymph Node	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder	Uterus		
OBSERVATIONS			
Bone Marrow	Femoral	Hyperplasia	Neutrophil, Moderate
Intestine Small	Jejunum	Necrosis	Marked
Note: NECROSIS TGLs = 1-7			
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-1			
Lymph Node			
Note: MANDIBULAR LN AUTOLYZED			
Skin		Parasite External	
Spleen		Hematopoietic Cell Proliferation	Marked
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Minimal
PRIMARY CAUSE OF DEATH	-		
Animal Note: CAUSE OF DEATH NECROSIS OF JEJUNUM			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2000	**TRT#:** 14	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 333 PPM 10-3	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

MISSING

Spleen

OBSERVATIONS

Liver	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 5-4			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Ovary	Periovarn Tiss	Cyst	
Note: CYST TGLs = 3-5			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-3			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Carcinoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: ADENOMA TGLs = 4-6			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL2, SPLEEN MISSING AT TRIM

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2001	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 657
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	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	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Mammary Gland

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 1-1,1-7			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-6			
Spleen		Hyperplasia	Lymphoid, Mild
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Vacuolization Cytoplasmic	Minimal
Note: ADENOMA TGLs = 3-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2002	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Mammary Gland	Nose	Pancreas
Skin	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder	Uterus		

MISSING

Gallbladder	Parathyroid Gland	Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Moderate
Eye		Atrophy	Marked
Note: DEGEN TGLs = 1-7			
Harderian Gland		Adenoma	
Note: ADENOMA TGLs = 2-5			
Heart		Mineralization	Moderate
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLS = 4-8]			
[Hepatocellular Carcinoma TGLS = 4-1,4-8]			
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
Ovary	Follicle	Cyst	
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Salivary Glands		Lymphoma Malignant Lymphocytic	
Spleen		Lymphoma Malignant Lymphocytic	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: HYPERPLASIA TGLs = 3-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2003	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose
Pancreas	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
[Infarct TGLS = 2-1,2-8]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 1-6			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-6			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2004	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

MISSING

Gallbladder

OBSERVATIONS

Brain		Compression	Mild
Liver		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant Mixed	
Note: [HEPATOCLR ADEN] TGLs = 2-8			
Lung		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3-2			
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-6			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-7			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2005	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
[Infarct TGLS = 2-7]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 3-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 1-6			
Stomach	Forestomach	Acanthosis	Mild
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2006	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node	Nose	Ovary	Pancreas
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

MISSING

Mammary Gland	Parathyroid Gland	Thymus

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 4-1,4-7			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC TGLs = 2-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
Skin		Acanthosis	Mild
		Parasite External	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
Note: ADENOMA TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-6, LYMPH NODE MASS IS REALLY THYROID TUMOR
Animal Note: TGL3-6, ADRENAL IS WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2007	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	Uterus

MISSING

Thymus

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
[Hepatocellular Carcinoma TGLS = 2-7]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 1-6			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-6			
Skin		Acanthosis	Minimal
		Parasite External	
Thyroid Gland	Follicular Cel	Carcinoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: CARCINOMA TGLs = 3-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2008	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 13
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin	Subcut Tiss	Inflammation	Chronic Active, Mild
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH UNDETERMINED

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2009	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 674
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Gallbladder
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Parathyroid Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

MISSING

Mammary Gland	Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hemorrhage	Chronic, Moderate
Bone Marrow	Femoral	Lymphoma Malignant Mixed	
Heart		Inflammation	Chronic, Moderate
Kidney		Lymphoma Malignant Mixed	
Liver		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
		Lymphoma Malignant Mixed	
Note: HEPATOCLR CARC TGLs = 1-1,2-7,3-1			
Lung	Peribronchiolr	Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 4-2			
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
Mesentery		Lymphoma Malignant Mixed	
Ovary	Periovarn Tiss	Lymphoma Malignant Mixed	
Pancreas		Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
Skin	Subcut Tiss	Lymphoma Malignant Mixed	
Spleen		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2009	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 674
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Follicular Cel	Carcinoma	
	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2010	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 653
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach	Trachea	Urinary Bladder
Uterus			

MISSING

Gallbladder	Pituitary Gland	Thymus

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 1-1,1-7]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 2-6]			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LIVER TUMORS
Animal Note: STOMACH NODULE CUT THROUGH AT SLIDE PREP.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2011	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLS = 2-1]			
[Hepatocellular Carcinoma TGLS = 2-1,2-7]			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Mild
[Hepatocellular Carcinoma TGLS = 3-2]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
Skin		Parasite External	
Spleen		Hemangiosarcoma	
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus		Dilatation	Marked
Note: DILATATION TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2012	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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	Mammary Gland	Nose	Pancreas
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

MISSING

Parathyroid Gland	Thymus

OBSERVATIONS

Brain		Compression	Moderate
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-1,1-7			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Ovary	Periovarn Tiss	Cyst	
Note: CYST TGLs = 2-6			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-6			
Skin	Lip	Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: [ADENOMA] TGLs = 3-6			

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2013	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 614
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
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	Skin
Stomach - Forestomach	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Salivary Glands	Thymus

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Undifferentiated Cell Type	
Bone Marrow	Femoral	Lymphoma Malignant Undifferentiated Cell Type	
Kidney		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 3-1			
Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
		Lymphoma Malignant Undifferentiated Cell Type	
Note: HEPATOCLR CARC TGLs = 2-1			
Lung		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Inguinal	Lymphoma Malignant Undifferentiated Cell Type	
	Lumbar	Lymphoma Malignant Undifferentiated Cell Type	
	Mediastinal	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
Note: MANDIBULAR LN MISSING			
Note: [LYMPH MAL UNDF] TGLs = 4-2,5-9,6-8,7-7			
Ovary	Periovarn Tiss	Lymphoma Malignant Undifferentiated Cell Type	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 1-10			
Stomach	Glandular	Lymphoma Malignant Undifferentiated Cell Type	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2013	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 614
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus		Lymphoma Malignant Undifferentiated Cell Type	

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2014	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 619
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder
Uterus			

MISSING

Gallbladder	Mammary Gland	Thymus

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 1-7,2-7,3-7,4-7,5-7			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2015	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose
Ovary	Pancreas	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland	Thymus

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 3-1,3-7]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
[Adenoma TGLS = 4-6]			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
[Adenoma TGLS = 1-6,2-6]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2016	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 2-1,2-7			
Ovary		Cystadenoma	
Note: [CYSTADENOMA] TGLs = 3-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin	Subcut Tiss	Mast Cell Tumor Benign	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: ADENOMA TGLs = 5-6			
Uterus		Histiocytic Sarcoma	Single
Note: [HISTIO SARC] TGLs = 4-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2017	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node	Nose	Ovary	Pancreas
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	Uterus

MISSING

Mammary Gland	Parathyroid Gland	Thymus

OBSERVATIONS

Liver		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLS = 1-1,1-7]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Minimal
Note: ADENOMA TGLs = 2-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2018	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Nose	Pancreas
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea			

MISSING

Parathyroid Gland

OBSERVATIONS

Bone Marrow	Femoral	Lymphoma Malignant Lymphocytic	
Intestine Large	Colon	Parasite Metazoan	
Kidney		Lymphoma Malignant Lymphocytic	
Liver		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant Lymphocytic	
Note: HEPATOCLR CARC TGLs = 1-7			
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
Ovary	Periovarn Tiss	Lymphoma Malignant Lymphocytic	
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 3-6			
Spleen		Lymphoma Malignant Lymphocytic	
Thymus		Lymphoma Malignant Lymphocytic	
Thyroid Gland	Follicular Cel	Carcinoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: [CARCINOMA] TGLs = 2-6			
Urinary Bladder		Lymphoma Malignant Lymphocytic	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2019	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
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	Nose
Pancreas	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland	Thymus

INSUFFICIENT TISSUE

Bone Marrow

OBSERVATIONS

Kidney		Lymphoma Malignant Lymphocytic	
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 3-8			
Lung	Alveolar Epith	Hyperplasia	Mild
		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-7			
Ovary	Follicle	Cyst	
		Hyperplasia	Tubular, Mild
Note: CYST TGLs = 1-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Parasite External	
Spleen		Lymphoma Malignant Lymphocytic	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2019	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 4-6

Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2020	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Mammary Gland	Nose	Parathyroid Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Trachea	

MISSING

Thymus

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 2-1,2-8			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
	Mediastinal	Hyperplasia	Lymphoid, Mild
Ovary	Follicle	Cyst	
Note: CYST TGLs = 3-6			
Pancreas	Acinus	Atrophy	Marked
	Duct	Ectasia	Moderate
Note: ECTASIA TGLs = 1-7			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Skin		Parasite External	
Spleen		Hyperplasia	Lymphoid, Mild
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Urinary Bladder		Hyperplasia	Lymphoid, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2021	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Mammary Gland	Nose	Ovary	Pancreas
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland	Thymus

OBSERVATIONS

Liver		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 1-7,1-8,1-9]			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Skin		Acanthosis	Mild
		Parasite External	
Spleen		Hyperplasia	Lymphoid, Mild
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Carcinoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: ADENOMA TGLs = 2-6			

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2022	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder
Uterus			

MISSING

Thymus

OBSERVATIONS

Harderian Gland		Inflammation	Chronic Active, Marked
Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 2-1,2-7,2-8,2-9			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Skin		Acanthosis	Mild
		Parasite External	
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: HYPERPLASIA TGLs = 3-6			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1, LEFT EYE LOST AT TRIM

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2023	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Mesentery	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Trachea	Uterus
MISSING			
Gallbladder	Mammary Gland	Thymus	Urinary Bladder
AUTO PRECLUDES DIAG.			
Spleen			
OBSERVATIONS			
Adrenal Gland	Cortex	Hematopoietic Cell Proliferation	Moderate
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 2-7,3-8			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node	Mesenteric	Inflammation	Chronic Active, Marked
Note: MANDIBULAR LN NORMAL			
Note: [INFLAMMATION] TGLs = 4-9			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Acanthosis	Mild
	Subcut Tiss	Inflammation	Chronic Active, Marked
		Parasite External	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

Animal Note: CAUSE OF DEATH, LIVER TUMORS AND LYMPHOMA
Animal Note: TGL1-1, SPLEEN IS AUTOLYZED

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2024	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
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
Pancreas	Parathyroid Gland	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Uterus	

MISSING

Mammary Gland

OBSERVATIONS

Bone Marrow	Femoral	Hyperplasia	Neutrophil, Marked
Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 1-7,1-8]			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Ovary	Periovarn Tiss	Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-6			
Salivary Glands		Hyperplasia	Lymphoid, Mild
Skin		Acanthosis	Mild
		Parasite External	
Spleen		Hyperplasia	Lymphoid, Mild
Note: [HYPERPLASIA] TGLs = 2-1			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Urinary Bladder		Hyperplasia	Lymphoid, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2025	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Stomach - Forestomach
Stomach - Glandular	Trachea		

MISSING

Gallbladder	Thymus

OBSERVATIONS

Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant Mixed	
[Hepatocellular Adenoma TGLS = 1-1]			
[Lymphoma Malignant Mixed TGLS = 1-7]			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Pancreatic	Lymphoma Malignant Mixed	
Ovary	Periovarn Tiss	Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands		Lymphoma Malignant Mixed	
Skin		Acanthosis	Mild
		Parasite External	
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-1			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Urinary Bladder		Lymphoma Malignant Mixed	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2025	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2026	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Nose	Pancreas	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Trachea

MISSING

Mammary Gland	Parathyroid Gland

OBSERVATIONS

Bone Marrow	Femoral	Lymphoma Malignant Mixed	
Intestine Large	Colon	Parasite Metazoan	
Kidney		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 9-1]			
Liver		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 6-11]			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Inguinal	Lymphoma Malignant Mixed	
	Lumbar	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-6,3-7,4-2,8-8,10-9			
Ovary	Periovarn Tiss	Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-6			
Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 5-10]			
Thymus		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2026	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

		Lymphoma Malignant Mixed	
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: ADENOMA TGLs = 7-6			
Urinary Bladder		Lymphoma Malignant Mixed	
Uterus		Lymphoma Malignant Mixed	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2027	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 691
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	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	Ovary	Pancreas	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Uterus			

MISSING

Lymph Node	Mammary Gland	Parathyroid Gland

OBSERVATIONS

Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 3-1]			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node			
Note: MANDIBULAR LN MISSING			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-6			
Skin		Parasite External	
Spleen		Hyperplasia	Lymphoid, Mild
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Carcinoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: ADENOMA TGLs = 2-6			
Urinary Bladder		Hyperplasia	Lymphoid, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2028	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lymph Node	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Gallbladder

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
	Medulla	Pheochromocytoma Benign	
Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 1-1,1-7			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2029	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	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	Ovary	Pancreas	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder	Uterus		
MISSING			
Lymph Node	Mammary Gland	Parathyroid Gland	Thymus
OBSERVATIONS			
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 1-1,1-7			
Lung		Carcinoma	Metastatic (Uncertain Primary Site)
Lymph Node			
Note: MANDIBULAR LN MISSING			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-6			
Spleen		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Carcinoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: CARCINOMA TGLs = 2-6			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2030	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

MISSING

Mammary Gland

OBSERVATIONS

Liver		Angiectasis	Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 2-1,2-7			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 1-7			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2031	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 691
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Pancreas
Parathyroid Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 3-1]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Nose	Mucosa	Inflammation	Acute, Moderate
Ovary		Cystadenoma	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-6			
Skin		Acanthosis	Mild
		Parasite External	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: ADENOMA TGLs = 2-6			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO PITUITARY AND LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2032	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	Uterus

MISSING

Mammary Gland	Skin	Thymus

OBSERVATIONS

Harderian Gland	Acinus	Dilatation	Moderate
Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 2-7,3-7,4-7,5-7]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Ovary	Follicle	Cyst	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 1-6			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2033	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Nose	Ovary
Pancreas	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

MISSING

Mammary Gland	Parathyroid Gland

OBSERVATIONS

Harderian Gland	Acinus	Dilatation	Mild
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-7,3-7			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-6			
Skin		Parasite External	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: HYPERPLASIA TGLs = 4-6			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO PITUITARY AND LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2034	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 499
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Nose	Ovary
Pancreas	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Parathyroid Gland

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 1-7,2-7,3-1,4-7			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2035	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 691
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose
Ovary	Pancreas	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 2-1]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Adenoma	
Skin		Acanthosis	Moderate
		Parasite External	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Carcinoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: ADENOMA TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO PITUITARY AND LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2036	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 2-7,2-8,2-9]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Ovary		Granulosa Cell Tumor Benign	
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-1, SPLEEN IS WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2037	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 697
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 3-1]			
Lung		Carcinoma	Metastatic (Thyroid Gland)
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-6			
Thyroid Gland	Follicular Cel	Carcinoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: CARCINOMA TGLs = 2-6			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LIVER AND THYROID TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2038	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

MISSING

Gallbladder	Thymus

OBSERVATIONS

Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 2-8,2-9,2-10			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
		Lymphoma Malignant Lymphocytic	
Lymph Node	Lumbar	Lymphoma Malignant Lymphocytic	
	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 1-6,4-2,6-7			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-6			
Spleen		Lymphoma Malignant Lymphocytic	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: ADENOMA TGLs = 3-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2039	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 726
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Nose	Ovary
Pancreas	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		
MISSING			
Mammary Gland	Parathyroid Gland		
OBSERVATIONS			
Liver		Infarct	Moderate
	Centrilobular	Vacuolization Cytoplasmic	Marked
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild
PRIMARY CAUSE OF DEATH	-		
Animal Note: CAUSE OF DEATH UNDETERMINED			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2040	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 539
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	Uterus
MISSING			
Thymus			
AUTO PRECLUDES DIAG.			
Gallbladder	Lymph Node	Nose	
OBSERVATIONS			
Liver		Hepatocellular Carcinoma	Multiple
Lymph Node			
Note: MANDIBULAR AUTOLYZED			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild
PRIMARY CAUSE OF DEATH	-		
Animal Note: CAUSE OF DEATH UNDETERMINED			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2041	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 1-7			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Acanthosis	Mild
		Parasite External	
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2042	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node
Mammary Gland	Nose	Ovary	Pancreas
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

MISSING

Gallbladder	Parathyroid Gland	Thymus

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
[Hepatoblastoma TGLS = 1-7]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Adenoma	
Skin		Acanthosis	Mild
		Parasite External	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: ADENOMA TGLs = 2-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2043	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 698
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Trachea	Uterus		

MISSING

Thymus

OBSERVATIONS

Intestine Large	Cecum	Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 1-4			
Liver		Hepatocellular Carcinoma	Multiple
		Hyperplasia	Lymphoid, Mild
[Hepatocellular Carcinoma TGLS = 2-1]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Ovary	Follicle	Cyst	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Acanthosis	Minimal
		Parasite External	
Spleen		Hyperplasia	Lymphoid, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Urinary Bladder		Hyperplasia	Lymphoid, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2044	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Trachea

MISSING

Thymus

OBSERVATIONS

Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 4-7]			
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
Ovary	Periovarn Tiss	Lymphoma Malignant Lymphocytic	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-6			
Skin		Acanthosis	Mild
Spleen		Lymphoma Malignant Lymphocytic	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: HYPERPLASIA TGLs = 3-6			
Urinary Bladder		Lymphoma Malignant Lymphocytic	
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: TGL2, PANCREATIC LN NOT SEEN AT TRIM

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2045	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose
Ovary	Pancreas	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

MISSING

Parathyroid Gland

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
		Mixed Cell Focus	
Note: HEPATOCLR CARC TGLs = 1-7,1-8			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-6			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: ADENOMA TGLs = 3-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2046	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Mammary Gland	Nose	Pancreas	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder

MISSING

Parathyroid Gland	Thymus

OBSERVATIONS

Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLS = 3-1,3-7,3-8,3-9]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
Ovary	Periovarn Tiss	Cyst	
Note: CYST TGLs = 1-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Skin		Acanthosis	Mild
		Parasite External	
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-1			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: ADENOMA TGLs = 4-6			
Note: ADENOMA TGLs = 4-6			
Uterus		Dilatation	Moderate

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2047	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 663
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	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	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Undifferentiated Cell Type	
Bone Marrow	Femoral	Lymphoma Malignant Undifferentiated Cell Type	
Kidney		Lymphoma Malignant Undifferentiated Cell Type	
Liver		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant Undifferentiated Cell Type	
Note: HEPATOCLR CARC TGLs = 2-1,2-8,2-9			
Lung		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Mediastinal	Lymphoma Malignant Undifferentiated Cell Type	
	Pancreatic	Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 3-7			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
Skin		Acanthosis	Mild
		Parasite External	
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 1-1			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: SALIVARY GLAND AND MANDIBULAR LN. MISSING AT TRIM
Animal Note: MORIBUND SACRIFICE DUE TO LIVER TUMORS, AND LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2047	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 663
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2048	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 611
	DOSE: 1000 PPM 0-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder
Uterus			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Histiocytic Sarcoma	Single
Bone Marrow	Femoral	Histiocytic Sarcoma	Single
Liver		Hematopoietic Cell Proliferation	Moderate
		Hepatocellular Carcinoma	Multiple
		Histiocytic Sarcoma	Single
		Infarct	Moderate
Note: [HISTIO SARC] TGLs = 2-1,2-7			
[Hematopoietic Cell Proliferation TGLS = 3-1,3-7]			
Lung		Histiocytic Sarcoma	Single
Lymph Node	Mandibular	Histiocytic Sarcoma	Single
Pituitary Gland	Pars Distalis	Adenoma	
Skin		Parasite External	
Spleen		Histiocytic Sarcoma	Single
Note: [HISTIO SARC] TGLs = 1-1			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2049	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 663
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Kidney	Lung	Mammary Gland
Nose	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Undifferentiated Cell Type	
Intestine Small	Jejunum, Peyers Patch	Lymphoma Malignant Undifferentiated Cell Type	
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 1-7,2-8,6-1			
Lymph Node	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
Ovary	Periovarn Tiss	Lymphoma Malignant Undifferentiated Cell Type	
Pancreas		Lymphoma Malignant Undifferentiated Cell Type	
Pituitary Gland	Pars Distalis	Adenoma	
Skin		Acanthosis	Mild
		Parasite External	
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: ADENOMA TGLs = 5-6			
Tissue NOS		Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC TGLs = 4-6			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
Note: HYPERPLASIA TGLs = 3-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2049	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 663
	DOSE: 1000 PPM 0-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CAUSE OF DEATH, LIVER TUMORS AND LYMPHOMA
Animal Note: TGL4-6, LISTED AS TISSUE NOS, DOSN'T APPEAR TO BE OVARY

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2050	**TRT#:** 15	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 1000 PPM 0-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLS = 1-7,1-8]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Skin		Acanthosis	Mild
		Parasite External	
Stomach	Forestomach	Diverticulum	Mild
Note: DIVERTICULUM TGLs = 2-9			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2051	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 697
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Hyperplasia	Lymphoid, Mild
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 2-1			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
	Mediastinal	Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
Spleen		Hyperplasia	Lymphoid, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: HYPERPLASIA TGLs = 1-6			
Uterus		Dilatation	Moderate
Note: DILATATION TGLs = 3-6			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LIVER TUMORS AND LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2052	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	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
Nose	Ovary	Pancreas	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland	Thymus

OBSERVATIONS

Harderian Gland		Adenoma	
Kidney		Hyperplasia	Lymphoid, Mild
Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Marked
Note: INFARCT TGLs = 5-7			
[Hepatocellular Carcinoma TGLS = 2-1,2-8,2-9]			
Lung		Hyperplasia	Lymphoid, Mild
Note: [HYPERPLASIA] TGLs = 4-2			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
	Mediastinal	Hyperplasia	Lymphoid, Mild
Nose			
Note: TGL5-7,MESENTERIC NODULE IS INFARCTED LIVER			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
Spleen		Hyperplasia	Lymphoid, Mild
Note: [HYPERPLASIA] TGLs = 1-1			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: ADENOMA TGLs = 3-6			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2052	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

Animal Note: TGL5-7, MESENTERIC NODULE IS LIVER INFARCT

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2053	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Ovary	Pancreas	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Uterus	

MISSING

Mammary Gland	Parathyroid Gland

OBSERVATIONS

Kidney		Lymphoma Malignant Mixed	
Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 3-7,3-8]			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Salivary Glands		Lymphoma Malignant Mixed	
Skin	Subcut Tiss	Lymphoma Malignant Mixed	
Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 2-1]			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: HYPERPLASIA TGLs = 1-6			
Urinary Bladder		Lymphoma Malignant Mixed	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2054	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 640
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Nose	Pancreas	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Mammary Gland	Parathyroid Gland	Pituitary Gland

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Marked
[Hepatocellular Carcinoma TGLS = 2-1,2-8]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Ovary	Follicle	Cyst	
		Inflammation	Suppurative, Moderate
Note: CYST TGLs = 1-7			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, HEPATIC TUMORS AND OVARIAN ABCESS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2055	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	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
Nose	Ovary	Pancreas	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney		Lymphoma Malignant Mixed	
Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant Mixed	
Note: HEPATOCLR CARC TGLs = 3-7			
Lung		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-2			
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Note: CYST TGLs = 4-6			
Spleen		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: ADENOMA TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2056	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 740
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node
Mammary Gland	Nose	Ovary	Pancreas
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

MISSING

Parathyroid Gland

OBSERVATIONS

Brain		Hydrocephalus	Mild
Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
[Hepatocellular Carcinoma TGLS = 2-7,2-8]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-6			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Carcinoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: ADENOMA TGLs = 3-6			
Note: CARCINOMA TGLs = 3-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2057	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose
Ovary	Pancreas	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 2-1,2-7]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
Note: ADENOMA TGLs = 3-6			
Skin		Cyst Epithelial Inclusion	
Note: CYST EPITH INC TGLs = 4-8			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: ADENOMA TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2058	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 579
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	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
Nose	Pancreas	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	Uterus

MISSING

Ovary	Parathyroid Gland

OBSERVATIONS

Kidney		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 6-9			
Liver		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant Undifferentiated Cell Type	
Note: HEPATOCLR CARC TGLs = 4-1			
Lung		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Axillary	Lymphoma Malignant Undifferentiated Cell Type	
	Lumbar	Lymphoma Malignant Undifferentiated Cell Type	
	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
	Mediastinal	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
	Renal	Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 1-6,5-4,7-9,8-2,9-7,10-8,11-9			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Salivary Glands		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 2-3			
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: [LYMPH MAL UNDF] TGLs = 3-1			
Thymus		Lymphoma Malignant Undifferentiated Cell Type	
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicular Cel	Vacuolization Cytoplasmic	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2058	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 579
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2059	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 683
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	
AUTO PRECLUDES DIAG.			
Gallbladder			
OBSERVATIONS			
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 1-1,1-7			
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
PRIMARY CAUSE OF DEATH	-		
Animal Note: CAUSE OF DEATH HEPATIC TUMORS			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2060	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 701
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Pancreas	Stomach - Glandular	Trachea	

MISSING

Mammary Gland	Parathyroid Gland	Pituitary Gland

OBSERVATIONS

Kidney		Lymphoma Malignant Lymphocytic	
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
		Lymphoma Malignant Lymphocytic	
Note: HEPATOCLR CARC TGLs = 3-8			
Note: LYMPH MAL LYMP TGLs = 4-8			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
Ovary	Periovarn Tiss	Lymphoma Malignant Lymphocytic	
Salivary Glands		Lymphoma Malignant Lymphocytic	
Skin	Subcut Tiss	Lymphoma Malignant Lymphocytic	
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-7			
Stomach	Forestomach	Lymphoma Malignant Lymphocytic	
Thymus		Lymphoma Malignant Lymphocytic	
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate
		Lymphoma Malignant Lymphocytic	
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2060	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 701
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Urinary Bladder	Lymphoma Malignant Lymphocytic
Uterus	Lymphoma Malignant Lymphocytic

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2061	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node	Mammary Gland	Nose	Ovary
Pancreas	Salivary Glands	Skin	Spleen
Stomach - Glandular	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland	Thymus

OBSERVATIONS

Harderian Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 1-7			
Liver	Centrilobular	Cytomegaly	Moderate
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
[Hepatocellular Carcinoma TGLS = 3-8]			
Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Stomach	Forestomach	Acanthosis	Moderate
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: HYPERPLASIA TGLs = 2-6			

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2062	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 741
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 1-1,1-7]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Ovary	Follicle	Cyst	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Uterus		Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 2-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2063	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder	Uterus		

MISSING

Lymph Node

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
[Hepatoblastoma TGLS = 4-7]			
Lymph Node			
Note: MANDIBULAR LN MISSING AT TRIM			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-6			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL3-6,ADRENALS NORMAL ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2064	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Intestine Small	Jejunum, Peyers Patch	Lymphoma Malignant Lymphocytic	
Liver	Centrilobular	Cytomegaly	Mild
		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 2-7,2-8			
Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
		Lymphoma Malignant Lymphocytic	
Note: ALV BRON ADEN TGLs = 3-2			
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 1-9			
Ovary	Periovarn Tiss	Lymphoma Malignant Lymphocytic	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-6			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2064	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2065	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 542
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Eye		Atrophy	Marked
Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 2-1,3-1,4-7,5-1]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild
Note: HYPERPLASIA TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2066	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 742
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Lymphoma Malignant Lymphocytic	
Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 2-7,2-8,2-9			
Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 3-2]			
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 1-1			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: ADENOMA TGLs = 4-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2067	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 680
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node	Mammary Gland	Nose	Ovary
Pancreas	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland

OBSERVATIONS

Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Infarct	Marked
[Infarct TGLS = 1-1,1-7]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2068	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	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
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Gallbladder	Mammary Gland	Thymus

OBSERVATIONS

Brain		Compression	
Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
[Hepatocellular Carcinoma TGLS = 3-7,3-8,3-9]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-6			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: ADENOMA TGLs = 2-6			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Minimal

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2069	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 1-7,1-8,1-9]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-6			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Carcinoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: ADENOMA TGLs = 2-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2070	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 2-7,2-8]			
Lung	Peribronchiolr	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-6			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Carcinoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: ADENOMA TGLs = 3-6			
Uterus		Angiectasis	Marked
		Dilatation	Mild
Note: [ANGIECTASIS] TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2071	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 709
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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	Nose
Ovary	Pancreas	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea	Uterus	

MISSING

Parathyroid Gland	Thymus

OBSERVATIONS

Brain		Compression	
		Hydrocephalus	Mild
Kidney		Lymphoma Malignant Mixed	
Liver	Centrilobular	Cytomegaly	Minimal
		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant Mixed	
Note: HEPATOCLR CARC TGLs = 3-7,3-8,3-9			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL LYMP TGLs = 4-2,5-4			
Note: LYMPH MAL MIXD TGLs = 4-2,5-4			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-6			
Salivary Glands		Lymphoma Malignant Mixed	
Spleen		Hemangiosarcoma	
		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-1			
Thyroid Gland	Follicular Cel	Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2071	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 709
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Urinary Bladder		Lymphoma Malignant Mixed	

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA AND LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2072	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 678
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose	Ovary
Pancreas	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder
Uterus			

MISSING

Gallbladder	Parathyroid Gland	Thymus

OBSERVATIONS

Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 1-7,1-8,1-9			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: ADENOMA TGLs = 2-6			

PRIMARY CAUSE OF DEATH	-

Animal Note: CAUSE OF DEATH LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2073	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 743
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	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
Mammary Gland	Nose	Ovary	Pancreas
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

MISSING

Gallbladder	Parathyroid Gland

OBSERVATIONS

Bone Marrow	Femoral	Hyperplasia	Reticulum Cell, Mild
Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 2-7,2-8			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Adenoma	Multiple
Note: ADENOMA TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2074	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 709
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
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	Nose
Ovary	Pancreas	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder
Uterus			

MISSING

Parathyroid Gland

OBSERVATIONS

Bone Marrow	Femoral	Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
Liver		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant Mixed	
Note: HEPATOCLR CARC TGLs = 6-12			
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
		Lymphoma Malignant Mixed	
Lymph Node	Deep Cervical	Lymphoma Malignant Mixed	
	Lumbar	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 1-6,2-9,3-2,4-8,5-10,8-7			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Spleen		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 7-11			
Thymus		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2074	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 709
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: HYPERPLASIA TGLs = 9-6			
PRIMARY CAUSE OF DEATH	-		

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2075	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 275
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea		

MISSING

Mammary Gland	Urinary Bladder

OBSERVATIONS

Bone Marrow	Femoral	Hyperplasia	Neutrophil, Marked
Liver		Hematopoietic Cell Proliferation	Moderate
Lung	Peribronchiolr	Inflammation	Chronic Active, Mild
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Mesentery		Inflammation	Chronic Active, Moderate
Ovary		Yolk Sac Carcinoma	
Note: [YOLK SAC CARC] TGLs = 2-7,2-8			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-1]			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: TGL2-7,2-8 TISSUE NOS IS OVARIAN TUMOR
Animal Note: MORIBUND SACRIFICE DUE TO OVARIAN TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2076	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 712
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Nose	Ovary
Pancreas	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

MISSING

Mammary Gland	Parathyroid Gland	Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Ileum

OBSERVATIONS

Harderian Gland		Histiocytic Sarcoma	Single
Note: [HISTIO SARC] TGLs = 1-5			
Liver		Hepatocellular Adenoma	Multiple
		Histiocytic Sarcoma	Single
Note: [HEPATOCLR ADEN] TGLs = 6-10			
Lung		Histiocytic Sarcoma	Single
Lymph Node	Mandibular	Histiocytic Sarcoma	Single
	Mediastinal	Histiocytic Sarcoma	Single
	Mesenteric	Histiocytic Sarcoma	Single
	Renal	Histiocytic Sarcoma	Single
Note: [HISTIO SARC] TGLs = 4,5,7-2+7+8			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Salivary Glands		Histiocytic Sarcoma	Single
Spleen		Histiocytic Sarcoma	Single
Note: [HISTIO SARC] TGLs = 3-9			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: ADENOMA TGLs = 8-6			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2076	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 712
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

Animal Note: CAUSE OF DEATH, LYMPHOMA AND LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2077	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

MISSING

Gallbladder

OBSERVATIONS

Eye		Atrophy	Marked
Note: ATROPHY TGLs = 1-7			
Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 2-8			
Lung		Hepatoblastoma	Metastatic (Liver)
		Hepatocellular Carcinoma	Metastatic (Liver)
Note: PRIMARY FOR HEPATOBLASTOMA NOT SEEN IN LIVER SECTIONS			
Note: HEPATOCLR CARC TGLs = 4-2			
Note: HEPATOBLASTOMA TGLs = 3-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Acanthosis	Mild
		Parasite External	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2078	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node	Nose	Pancreas	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Parathyroid Gland

OBSERVATIONS

Liver		Hepatoblastoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 1-7,1-8,1-9			
Lung		Hepatoblastoma	Metastatic (Liver)
		Hepatocellular Carcinoma	Metastatic (Liver), Multiple (Liver)
Note: HEPATOCLR CARC TGLs = 2-2			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Ovary	Follicle	Cyst	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-6			
Skin		Acanthosis	Mild
		Parasite External	
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: ADENOMA TGLs = 3-6			
Uterus		Dilatation	Mild
Note: DILATATION TGLs = 5-6			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2078	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2079	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 663
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
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	Mammary Gland
Nose	Ovary	Pancreas	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Gallbladder	Parathyroid Gland

INSUFFICIENT TISSUE

Bone	Bone Marrow

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
Note: HEPATOCLR CARC TGLs = 1-1,1-7,1-8			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: ADENOMA TGLs = 2-6			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2080	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

MISSING

Mammary Gland	Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Liver	Centrilobular	Cytomegaly	Minimal
		Hepatocellular Carcinoma	Multiple
		Infarct	Moderate
[Hepatocellular Carcinoma TGLS = 1-7,1-8,1-9]			
Lung		Hepatoblastoma	Metastatic (Liver)
Note: NEOPLASM RESEMBLES HEPATOBLASTOMA, NOT SEEN IN LIVER			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Skin		Acanthosis	Moderate
		Parasite External	
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2081	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 747
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large	Intestine Small	Islets, Pancreatic	Kidney
Lung	Lymph Node	Mammary Gland	Nose
Ovary	Pancreas	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

MISSING

Parathyroid Gland

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 1-7,1-8,1-9			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2082	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose
Pancreas	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland

OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma TGLS = 2-7]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Ovary	Follicle	Cyst	
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Vacuolization Cytoplasmic	Minimal
Note: [ADENOMA] TGLs = 8			
Note: HYPERPLASIA TGLs = 3-6			
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2083	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 443
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	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
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Trachea

MISSING

Thymus

OBSERVATIONS

Bone Marrow	Femoral	Lymphoma Malignant Mixed	
Gallbladder		Lymphoma Malignant Mixed	
Heart		Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant Mixed	
[Hepatocellular Adenoma TGLS = 1-1,1-9]			
[Hepatocellular Carcinoma TGLS = 2-8]			
Lung		Lymphoma Malignant Histiocytic	
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 4-7			
Ovary	Periovarn Tiss	Lymphoma Malignant Mixed	
Pancreas		Lymphoma Malignant Mixed	
Skin	Subcut Tiss	Lymphoma Malignant Mixed	
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3-7			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
		Lymphoma Malignant Mixed	
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Urinary Bladder		Lymphoma Malignant Mixed	
Uterus		Lymphoma Malignant Mixed	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2083	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 443
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2084	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	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	Pancreas	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	

MISSING

Mammary Gland	Parathyroid Gland

OBSERVATIONS

Liver	Centrilobular	Cytomegaly	Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 2-7]			
Lung		Alveolar/Bronchiolar Adenoma	
		Lymphoma Malignant Lymphocytic	
[Alveolar/Bronchiolar Adenoma TGLS = 4-2]			
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
Ovary	Periovarn Tiss	Lymphoma Malignant Lymphocytic	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-6			
Salivary Glands		Lymphoma Malignant Lymphocytic	
Spleen		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 1-1]			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: HYPERPLASIA TGLs = 3-6			
Urinary Bladder		Lymphoma Malignant Lymphocytic	
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2084	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2085	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose
Pancreas	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
		Inflammation	Chronic Active, Mild
Note: HEPATOCLR CARC TGLs = 3-7,3-8			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Ovary	Periovarn Tiss	Cyst	
Note: CYST TGLs = 1-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: TGL2-1, THE SPLEEN IS WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2086	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 457
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	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	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder	Uterus		

MISSING

Thymus

OBSERVATIONS

Kidney		Nephropathy	Chronic, Moderate
Liver	Centrilobular	Cytomegaly	Moderate
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
[Cytomegaly TGLS = 1-7]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LIVER TUMOR

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2087	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 677
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Nose	Ovary	Pancreas	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Gallbladder	Parathyroid Gland

OBSERVATIONS

Liver	Centrilobular	Cytomegaly	Minimal
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 4-1,4-9			
Lymph Node	Mesenteric	Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC TGLs = 5-7			
Note: MANDIBULAR LN NORMAL			
Mammary Gland		Adenocarcinoma	
[Adenocarcinoma TGLS = 2-8]			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-6			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: ADENOMA TGLs = 6-6			
Uterus		Dilatation	Moderate
Note: DILATATION TGLs = 3-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2087	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 677
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL2-8, SKIN MASS IS MAMMARY TUMOR
Animal Note: MORIBUND SACRIFICE DUE TO LIVER AND MAMMARY TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2088	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 748
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Pancreas	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	
MISSING			
Mammary Gland	Parathyroid Gland	Thymus	
OBSERVATIONS			
Kidney		Lymphoma Malignant Mixed	
Liver		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
		Lymphoma Malignant Mixed	
Note: HEPATOCLR CARC TGLs = 1-7			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
Ovary	Follicle	Cyst	
Note: CYST TGLs = 2-6			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
Note: ADENOMA TGLs = 3-6			
Spleen		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: HYPERPLASIA TGLs = 4-6			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2089	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Mammary Gland	Nose	Ovary	Pancreas
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland	Thymus

OBSERVATIONS

Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
[Hepatocellular Adenoma TGLS = 3-7,3-8]			
Lung	Alveolar Epith	Hyperplasia	Mild
		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Hyperplasia	Mild
	Mediastinal	Hyperplasia	Lymphoid, Mild
Note: [HYPERPLASIA] TGLs = 1-6			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
	Pars Distalis	Vacuolization Cytoplasmic	Mild
Skin	Subcut Tiss	Fibrosarcoma	
Note: [FIBROSARC] TGLs = 2-9			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Carcinoma	
	Follicular Cel	Hyperplasia	Moderate
Note: CARCINOMA TGLs = 4-6			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild
		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2089	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2090	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Mammary Gland	Nose
Ovary	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Intestine Small	Jejunum, Peyers Patch	Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 6-1			
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 2-7,2-8,2-9			
Lung		Alveolar/Bronchiolar Adenoma	
		Lymphoma Malignant Mixed	
Note: ALV BRON ADEN TGLs = 5-2			
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
Pancreas		Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-6			
Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 3-1]			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: ADENOMA TGLs = 4-6			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2091	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant Lymphocytic	
[Hepatocellular Adenoma TGLS = 2-1]			
[Hepatocellular Carcinoma TGLS = 2-7,2-8]			
Lung		Hepatoblastoma	Metastatic (Liver)
		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 4-2			
Note: NEOPLASM RESEMBLES HEPATOBLASTOMA, NOT SEEN IN LIVER			
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
Ovary	Follicle	Cyst	
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
Skin		Acanthosis	Minimal
		Parasite External	
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 1-1			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: ADENOMA TGLs = 3-6			
Uterus		Lymphoma Malignant Lymphocytic	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2091	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2092	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 642
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Gallbladder

OBSERVATIONS

Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 1-1,1-7,1-8			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus		Dilatation	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2093	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Nose	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

MISSING

Parathyroid Gland

INSUFFICIENT TISSUE

Ovary

OBSERVATIONS

Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 3-1,3-8,3-9			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Mammary Gland		Fibroadenoma	
Pancreas	Acinus	Atrophy	Marked
	Duct	Ectasia	Moderate
Note: ECTASIA TGLs = 2-7			
Pituitary Gland	Pars Distalis	Adenoma	
Skin		Acanthosis	Mild
		Parasite External	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: ADENOMA TGLs = 1-6			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2093	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 749
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2094	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 598
	DOSE: 1000 PPM 10-10	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder	Uterus		

MISSING

Pituitary Gland	Thymus

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 1-7,2-7,3-8,4-1,5-8]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Skin		Acanthosis	Mild
		Parasite External	
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2095	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Gallbladder

OBSERVATIONS

Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Marked
[Hepatocellular Adenoma TGLS = 1-7,1-8]			
Ovary	Follicle	Cyst	
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
Skin		Acanthosis	Mild
		Parasite External	
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MANDIBULAR LN NORMAL

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2096	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 570
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder	Uterus		

MISSING

Mammary Gland	Thymus

OBSERVATIONS

Heart		Degeneration	Chronic, Mild
Liver		Hepatocellular Carcinoma	Multiple
		Histiocytic Sarcoma	Single
		Infarct	Mild
Note: HEPATOCLR CARC TGLs = 3-7,4-1			
[Hepatocellular Carcinoma TGLS = 2-1]			
Lung		Histiocytic Sarcoma	Single
Lymph Node	Mandibular	Histiocytic Sarcoma	Single
	Mediastinal	Histiocytic Sarcoma	Single
	Mesenteric	Histiocytic Sarcoma	Single
Note: [HISTIO SARC] TGLs = 5-7			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Histiocytic Sarcoma	Single
Note: [HISTIO SARC] TGLs = 1-1			
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LYMPHOMA AND LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2097	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Mammary Gland	Nose
Ovary	Pancreas	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

MISSING

Parathyroid Gland

OBSERVATIONS

Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLS = 2-1,2-7]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
	Pars Distalis	Vacuolization Cytoplasmic	Mild
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Minimal
Note: HYPERPLASIA TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2098	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small	Islets, Pancreatic
Kidney	Lung	Mammary Gland	Nose
Parathyroid Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Brain	Perivascular	Inflammation	Chronic Active, Mild
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Mild
Note: HEPATOCLR ADEN TGLs = 3-8			
[Hepatocellular Adenoma TGLS = 3-1,3-8]			
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 4-7			
Ovary	Periovarn Tiss	Cyst	
Note: CYST TGLs = 1-6			
Pancreas	Perivascular	Inflammation	Chronic Active, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands	Perivascular	Inflammation	Chronic Active, Multifocal, Moderate
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Moderate
	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Note: HYPERPLASIA TGLs = 5-6			
Uterus		Angiectasis	Mild
		Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 2-9			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2098	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

Animal Note: TGL6-2, NCL IN LUNG

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2099	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 697
	DOSE: 1000 PPM 10-10	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	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	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Liver	Centrilobular	Cytomegaly	Moderate
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
[Cytomegaly TGLS = 3-1,3-7]			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-6			
Thyroid Gland	Follicular Cel	Adenoma	Multiple
	Follicular Cel	Hyperplasia	Marked
	Follicular Cel	Vacuolization Cytoplasmic	Mild
Note: ADENOMA TGLs = 2-6			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LIVER TUMORS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2100	**TRT#:** 16	**SEX:** Female	**DAY ON TEST:** 750
	DOSE: 1000 PPM 10-10	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	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	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Kidney	Renal Tubule	Adenocarcinoma	
Note: ADENOCARC TGLs = 2-7			
Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Infiltration Cellular	Histiocyte, Multifocal, Mild
Note: HEPATOCLR CARC TGLs = 1-1,1-8			
Lymph Node			
Note: MANDIBULAR LN NORMAL			
Ovary		Cystadenoma	Papillary
Note: CYSTADENOMA TGLs = 3-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Thyroid Gland	Follicular Cel	Vacuolization Cytoplasmic	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH -

** END OF REPORT **

* PROTOCOL REQUIRED TISSUE