C Number:	C88138B
Lock Date:	04/26/2002
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	08/14/2003

ANIMAL ID: 1	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Mild
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Mild
* Thyroid Gland		Infiltration Cellular	Mononuclear Cl, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101911

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101912

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-13]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Cyst	Minimal
		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101912

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 3-14]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 726
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101913

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 2-8]			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	Moderate
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Marked
[Pigmentation TGLS = 3-5]			
* Liver		Fatty Change	Diffuse, Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 4-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Ectasia	Mild
[Ectasia TGLS = 6-14]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 726
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101913

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Cyst	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-13]			
* Stomach, Glandular		Erosion	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 4	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101914

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* 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	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibrosis	Moderate
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-13]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 4	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101914

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 5	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101915

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Mild
* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Marked
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 5	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101915

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-13]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 6	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101916

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
		Necrosis	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Hyperplasia	Minimal
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-13]			
* Prostate		Inflammation	Minimal
* Salivary Glands		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 2-14]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 6	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101916

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Marked
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 7	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101917

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLS = 3-13]			
* Lymph Node, Mesenteric		Atrophy	Minimal
		Ectasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
[Ectasia TGLS = 4-6]			
* Pancreas	Acinus	Hyperplasia	Moderate
* Pituitary Gland		Cyst	Minimal
[Cyst TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 7	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101917

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 8	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 632
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101918

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	Harderian Gland	* 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	* Preputial Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
	Myeloid Cell	Hyperplasia	Moderate
Eye	Lens	Cataract	Moderate
	Retina	Degeneration	Marked
[Cataract TGLS = 1-10]			
* Heart		Cardiomyopathy	Mild
* Kidney		Accumulation, Hyaline Droplet	Moderate
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6]			
* Mammary Gland		Galactocele	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Prostate		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 8	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 632
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101918

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 6-12]			
* Seminal Vesicle		Atrophy	Mild
[Atrophy TGLS = 7-12]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 2-5]			
[Necrosis TGLS = 4-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 3-11]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 9	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 680
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101919

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
Blood Vessel	Aorta	Leukemia Mononuclear	
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
[Hemorrhage TGLS = 9-9]			
Eye		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Accumulation, Hyaline Droplet	Minimal
		Infarct	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
		Fatty Change	Diffuse, Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
[Hepatodiaphragmatic Nodule TGLS = 6-17]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 9	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 680
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101919

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-18]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-13]			
* Pituitary Gland		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Skin	Subcut Tiss	Fibroma	
		Keratoacanthoma	
		Leukemia Mononuclear	
[Fibroma TGLS = 2-16]			
[Keratoacanthoma TGLS = 1-15]			
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 4-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-11]			
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	
Note: MCL is in peri-thymic fat.			
PRIMARY CAUSE OF DEATH	- Brain Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 10	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101920

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Marked
		Pheochromocytoma Benign	
Harderian Gland		Infiltration Cellular	Lymphoid, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland		Hyperplasia	Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 10	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101920

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Carcinoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 11	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Epididymis		Mesothelioma Malignant	
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hepatocellular Adenoma TGLS = 6-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Nose		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 11	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101921

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Hyperplasia	Moderate
* Prostate		Inflammation	Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-13]			
* Spleen		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Fibrosis TGLS = 4-14]			
[Leukemia Mononuclear TGLS = 3-14]			
* Stomach, Forestomach		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	
Note: MCL is in mediastinal/peri-thymic fat.			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 12	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 645
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101922

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Epididymis
* Esophagus	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Minimal
		Vacuolization Cytoplasmic	Mild
* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
	Myeloid Cell	Hyperplasia	Mild
		Leukemia Mononuclear	
* Brain		Necrosis	Mild
Eye	Retina	Atrophy	Mild
	Lens	Cataract	Moderate
	Retina	Degeneration	Marked
	Iris	Fibrosis	Moderate
	Iris	Inflammation	Minimal
	Lens	Mineralization	Mild
[Mineralization TGLS = 9-10]			
* Heart		Cardiomyopathy	Moderate
[Cardiomyopathy TGLS = 8-7]			
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 12	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 645
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101922

ORGAN AND ACCOUNTABLE SITE STATUS

		Necrosis	Minimal
[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 7-15]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 6-6]			
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 3-14]			
* Stom Forestom			
Note: There is a focus of squamous epithelium separated from the limiting ridge, within the glandular mucosa. This is probably a congenital anomaly (insignificant).			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4,5-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 13	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 709
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101923

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 3-8]			
* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
	Myeloid Cell	Hyperplasia	Mild
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Adenoma	
	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
[Hyperplasia TGLS = 4-6+7]			
[Leukemia Mononuclear TGLS = 4-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Acute, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 13	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 709
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101923

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-15]			
[Leukemia Mononuclear TGLS = 7-16]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Nose	Respirat Epith	Hyperplasia	Mild
* Pancreas		Inflammation	Minimal
Peripheral Nerve		Infiltration Cellular	Mononuclear Cl, Minimal
Note: Infiltrate is within vagus nerve in section with esophagus.			
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Mild
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 5-14]			
* Testes	Germinal Epith	Degeneration	Mild
	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Urinary Bladder		Inflammation	Moderate

PRIMARY CAUSE OF DEATH	- Kidney	Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 14	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 549
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101924

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Trachea	

MISSING

* Lymph Node, Mandibular	* Thymus

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Minimal
		Vacuolization Cytoplasmic	Mild
* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
* Brain		Necrosis	Mild
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
[Cardiomyopathy TGLS = 8-7]			
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Marked
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Necrosis	Mild
[Fatty Change TGLS = 5-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 9-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery		Mesothelioma Malignant	Metastatic (Epididymis)
[Mesothelioma Malignant TGLS = 2-14]			
* Pancreas		Mesothelioma Malignant	Metastatic (Epididymis)

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 14	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 549
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101924

ORGAN AND ACCOUNTABLE SITE STATUS

[Mesothelioma Malignant TGLS = 4-6]			
Peritoneum		Mesothelioma Malignant	Metastatic (Epididymis)
* Pituitary Gland		Hyperplasia	Minimal
* Prostate		Mesothelioma Malignant	Metastatic (Epididymis)
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular		Erosion	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate
		Mesothelioma Malignant	Metastatic (Epididymis)
[Adenoma TGLS = 3-11]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Mesentery Mesothelioma Malignant Epididymis		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 15	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101925

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Marked
* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Hyperplasia	Marked
* Skin		Osteosarcoma	
[Osteosarcoma TGLS = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 15	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101925

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 2-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 16	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101926

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
		Schwannoma Malignant	
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
		Necrosis	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-13]			
* Pancreas		Mixed Tumor Benign	
Note: Mixed acinar-islet adenoma.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-14]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 16	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101926

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Marked
PRIMARY CAUSE OF DEATH -		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 17	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 506
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101927

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Moderate
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
[Fatty Change TGLS = 5-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Mild
* Pituitary Gland		Hyperplasia	Minimal
* Preputial Gland		Inflammation	Marked
Note: Tissue mass grossly considered skin was inflamed and ossifed preputial gland with large areas of necrosis.			
[Inflammation TGLS = 4-14]			
* Prostate		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 17	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 506
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101927

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 3-13]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-11]			
[Degeneration TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Preputial Gland Inflammation		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 18	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101928

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Epididymis		Inflammation	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Atrophy	Mild
		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
[Hematopoietic Cell Proliferation TGLS = 2-5]			
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 18	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101928

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 19	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 553
	DOSE: 0 PPM	**DISP:** Natural Death	**HISTO:** 0101929

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Pituitary Gland
* Preputial Gland	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Necrosis	Marked
* Adrenal Medulla		Leukemia Mononuclear	
* Epididymis		Inflammation	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Moderate
[Leukemia Mononuclear TGLS = 1-6+7]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Mild
* Pancreas		Leukemia Mononuclear	
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 19	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 553
	DOSE: 0 PPM	**DISP:** Natural Death	**HISTO:** 0101929

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Liver Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 20	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 725
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101930

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
[Hyperplasia TGLS = 4-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Ectasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
[Ectasia TGLS = 6-16]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-13]			
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 20	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 725
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101930

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hyperplasia	Minimal
* Skin		Fibrous Histiocytoma	
		Keratoacanthoma	
[Fibrous Histiocytoma TGLS = 2-14]			
[Keratoacanthoma TGLS = 1-15]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Marked
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Skin Fibrous Histiocytoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 21	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 638
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101931

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Intestine Large, Rectum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
Blood Vessel	Aorta	Leukemia Mononuclear	
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Brain		Leukemia Mononuclear	
* Epididymis		Leukemia Mononuclear	
Eye		Leukemia Mononuclear	
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
* Intestine Large, Colon		Leukemia Mononuclear	
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-17]			
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3+4]			
Lymph Node	Deep Cervical	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 21	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 638
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101931

ORGAN AND ACCOUNTABLE SITE STATUS

	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
[Leukemia Mononuclear TGLS = 7-16]			
[Leukemia Mononuclear TGLS = 4-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13]			
* Nose	Respirat Epith	Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Prostate		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Skin		Leukemia Mononuclear	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 2-5]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate
[Adenoma TGLS = 1-11]			
* Thymus		Leukemia Mononuclear	
Note: Normal thymic structure has been replaced by cells of mononuclear cell leukemia.			
* Thyroid Gland	C Cell	Adenoma	
Tooth		Leukemia Mononuclear	
* Trachea		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 22	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 704
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Ectasia	Marked
[Ectasia TGLS = 5-14]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Oral Mucosa	Gingival	Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Angiectasis TGLS = 6-8]			
* Prostate		Atrophy	Moderate
		Inflammation	Minimal
[Atrophy TGLS = 3-12]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-13]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 22	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 704
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101932

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Pituitary Gland Angiectasis		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 23	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 495
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101933

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Mild
		Degeneration	Cystic, Minimal
Note: Many adrenocortical cells contain amphophilic cytoplasmic vacuoles.			
* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
	Myeloid Cell	Hyperplasia	Moderate
* Epididymis		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney		Accumulation, Hyaline Droplet	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Granulomatous, Marked
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Minimal
[Inflammation TGLS = 5,6-6+7+13]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Ectasia	Marked
		Inflammation	Marked
[Ectasia TGLS = 7-14]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 23	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 495
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101933

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 7-14]			
* Mammary Gland		Inflammation	Moderate
Mesentery		Inflammation	Mild
* Nose	Olfactory Epi	Metaplasia	Mild
		Thrombosis	Mild
* Pancreas		Inflammation	Marked
* Prostate		Inflammation	Moderate
* Seminal Vesicle		Inflammation	Moderate
Skeletal Muscle		Inflammation	Moderate
Note: Muscle of body wall beneath mammary section is inflamed.			
* Spleen	Lymph Follic	Atrophy	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
[Inflammation TGLS = 4-5]			
* Stomach, Glandular		Inflammation	Marked
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-11]			
[Degeneration TGLS = 2-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Urinary Bladder	Muscularis	Degeneration	Minimal
		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Pancreas Inflammation		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 24	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 709
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101934

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Marked
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Acute, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Mild
Note: Inflammation is associated with foreign material (plant debris) and there is secondary hyperplasia of respiratory epithelium.			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 24	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 709
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101934

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 25	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 694
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101935

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Epididymis
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Trachea		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Brain		Hemorrhage	Mild
[Hemorrhage TGLS = 8-9]			
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Minimal
[Leukemia Mononuclear TGLS = 4-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 25	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 694
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101935

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-15]			
* Mammary Gland		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
[Adenoma TGLS = 1-8]			
* Skin	Subcut Tiss	Fibroma	
		Keratoacanthoma	
[Fibroma TGLS = 10-14]			
[Keratoacanthoma TGLS = 7-16]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13]			
* Stomach, Glandular		Erosion	Minimal
[Erosion TGLS = 9-16]			
* Testes	Germinal Epith	Degeneration	Mild
	Interstit Cell	Hyperplasia	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Liver Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 26	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 425
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101936

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Nose		Inflammation	Mild
Note: Mild respiratory epithelial hyperplasia is secondary to inflammation.			
* Pancreas	Acinus	Atrophy	Minimal
Skeletal Muscle		Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 26	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 425
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101936

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-13]			
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 27	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101937

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Mild
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-11]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 27	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101937

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Moderate
Tongue	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 3-13]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 28	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 680
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101938

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
		Leukemia Mononuclear	
* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	Moderate
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 3- 6]			
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
		Fatty Change	Diffuse, Marked
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
[Fatty Change TGLS = 2-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 28	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 680
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101938

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactocele	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 1-8]			
* Prostate		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Testes	Germinal Epith	Degeneration	Minimal
	Interstit Cell	Hyperplasia	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Islets, Pancreatic Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Fatty Change

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 29	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 704
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101939

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	* 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	* Preputial Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 8-8]			
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Epididymis		Granuloma Sperm	Minimal
Harderian Gland		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
		Fatty Change	Diffuse, Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
[Hepatodiaphragmatic Nodule TGLS = 7-13]			
[Hyperplasia TGLS = 6-6+7+13]			
[Leukemia Mononuclear TGLS = 6-6+7+13]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 29	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 704
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101939

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-15]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-14]			
Oral Mucosa	Gingival	Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland		Cyst	Minimal
		Hyperplasia	Minimal
* Prostate		Atrophy	Mild
[Atrophy TGLS = 2-12]			
* Seminal Vesicle		Atrophy	Mild
[Atrophy TGLS = 3-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 4-5]			
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Inflammation	Mild
		Ulcer	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Liver Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 30	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 676
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101940

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Minimal
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	Moderate
* Intestine Large, Cecum		Erosion	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Moderate
		Fatty Change	Diffuse, Moderate
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	

Note: CYSTIC DEGENERATION WAS ASSOCIATED WITH ADENOMA.
[Degeneration TGLS = 4-6]
[Fatty Change TGLS = 3-6+7]
[Hepatocellular Adenoma TGLS = 4-6]

* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Ectasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 30	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 676
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101940

ORGAN AND ACCOUNTABLE SITE STATUS

[Ectasia TGLS = 5-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Minimal
* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Moderate
[Angiectasis TGLS = 6-8]			
[Hyperplasia TGLS = 6-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 2-5]			
* Stomach, Forestomach		Inflammation	Mild
		Ulcer	Moderate
* Stomach, Glandular		Erosion	Mild
		Inflammation	Mild
		Ulcer	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
Tooth		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		
CONTRIBUTORY CAUSE OF DEATH	- Liver Fatty Change		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 31	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101941

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Minimal
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 31	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101941

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-13]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 32	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 666
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101942

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Eye			
Note: Optic nerves missing at trim.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Marked
	Bile Duct	Hyperplasia	Mild
[Fatty Change TGLS = 2-6+7]			
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Prostate		Inflammation	Mild
* Spleen		Pigmentation	Hemosiderin, Moderate
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 32	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 666
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101942

ORGAN AND ACCOUNTABLE SITE STATUS

		Ulcer	Moderate
[Ulcer TGLS = 5-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 33	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 582
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101943

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Chordoma	
Note: Site of origin was not identified grossly.			
* Heart		Cardiomyopathy	Minimal
		Chordoma	Metastatic (Bone)
Note: Metastases are on epicardial surface.			
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Chordoma	Metastatic (Bone)
* Lymph Node, Mesenteric		Chordoma	Metastatic (Bone)
		Infiltration Cellular	Histiocyte, Mild
[Chordoma TGLS = 3-13]			
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 33	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 582
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101943

ORGAN AND ACCOUNTABLE SITE STATUS

		Ulcer	Moderate
* Stomach, Glandular		Erosion	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Chordoma	Metastatic (Bone)
[Chordoma TGLS = 1-14]			

PRIMARY CAUSE OF DEATH - Lung Chordoma Bone

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 34	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Mild
* Pituitary Gland		Hyperplasia	Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 2-14]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 34	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101944

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 3-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-13]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 35	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 693
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101945

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain			
Note: Hydrocephalus is secondary to pituitary tumor.			
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 35	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 693
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101945

ORGAN AND ACCOUNTABLE SITE STATUS

	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-11]			
[Degeneration TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Trachea		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 36	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101946

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
		Necrosis	Minimal
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose			
Note: There is hyperplasia of respiratory epithelium secondary to the nasal inflammation.			
* Pancreas		Inflammation	Minimal
* Skin		Keratoacanthoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 36	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101946

ORGAN AND ACCOUNTABLE SITE STATUS

[Keratoacanthoma TGLS = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-14]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicle	Degeneration	Minimal
	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 37	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 584
	DOSE: 0 PPM	**DISP:** Natural Death	**HISTO:** 0101947

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
	Myeloid Cell	Hyperplasia	Minimal
Eye			
Note: Optic nerves missing at trim.			
* Heart		Cardiomyopathy	Moderate
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Minimal
[Fatty Change TGLS = 3-6+7]			
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Minimal
Note: Hemorrhage within the lymph node is responsible for the dark color observed grossly.			
[Infiltration Cellular TGLS = 4-13]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 37	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 584
	DOSE: 0 PPM	**DISP:** Natural Death	**HISTO:** 0101947

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-14]			
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 2-13]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 38	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101948

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
Eye			
Note: Optic nerves were missing at trim.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-14]			
* Pancreas		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Mild
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-13]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 38	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101948

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 39	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 662
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101949

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Epididymis
* Esophagus	Eye	* 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
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
[Leukemia Mononuclear TGLS = 1-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 39	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 662
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101949

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-6]			
Oral Mucosa	Gingival	Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Mild
* Pituitary Gland		Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-14]			
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 40	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Harderian Gland		Infiltration Cellular	Lymphoid, Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Oral Mucosa	Gingival	Inflammation	Minimal
* Pancreas		Inflammation	Minimal
* Prostate		Hyperplasia	Minimal
* Salivary Glands		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-13]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 40	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101950

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 41	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Congestion	Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-14]			
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Minimal
* Prostate		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 41	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101951

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-13]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 42	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101952

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Prostate		Inflammation	Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 2-13]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 42	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101952

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 3-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-11]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 43	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101953

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Prostate		Atrophy	Minimal
[Atrophy TGLS = 3-12]			
* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 2-12]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 4-14]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 43	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101953

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Minimal
		Pigmentation	Hemosiderin, Minimal
[Hyperplasia TGLS = 5-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-13]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 44	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 634
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101954

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Ectasia	Mild
	Mediastinal	Hemorrhage	Minimal
Note: Hemorrhage accounts for the darkening of the mediastinal lymph node.			
[Ectasia TGLS = 4-14]			
[Hemorrhage TGLS = 4-14]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Oral Mucosa	Gingival	Inflammation	Minimal
* Pituitary Gland		Hyperplasia	Minimal
* Preputial Gland		Inflammation	Marked
[Inflammation TGLS = 1-15]			
* Prostate		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 44	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 634
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101954

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-13]			
* Thyroid Gland	Follicular Cel	Adenoma	
PRIMARY CAUSE OF DEATH	- Preputial Gland Inflammation		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 45	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 681
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101955

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* 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	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Minimal
[Leukemia Mononuclear TGLS = 4-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-15]			
[Leukemia Mononuclear TGLS = 5-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 45	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 681
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101955

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-13]			
* Pancreas		Inflammation	Minimal
* Prostate		Inflammation	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
* Trachea		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 46	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101956

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Ectasia	Mild
* Lymph Node, Mesenteric		Ectasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 46	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101956

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 47	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 715
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101957

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
Blood Vessel	Aorta	Leukemia Mononuclear	
Note: There is infiltration of peri-aortic fat by MCL.			
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Brain		Hemorrhage	Minimal
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Mild
[Leukemia Mononuclear TGLS = 5-6+7]			
* Lung	Bronchiole	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Necrosis	Mild
Lymph Node	Deep Cervical	Ectasia	Mild
	Deep Cervical	Infiltration Cellular	Plasma Cell, Mild
[Ectasia TGLS = 6-15]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 47	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 715
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101957

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 6-15]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-13]			
* Nose		Leukemia Mononuclear	
Oral Mucosa	Gingival	Inflammation	Minimal
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Prostate		Inflammation	Moderate
		Leukemia Mononuclear	
* Skin		Inflammation	Mild
		Keratoacanthoma	
		Leukemia Mononuclear	
Note: MCL is present in subcutis adjacent to lesion in slide 14.			
[Inflammation TGLS = 2-16]			
[Keratoacanthoma TGLS = 1-14]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-5]			
* Stomach, Forestomach		Inflammation	Moderate
* Stomach, Glandular		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 4-11]			
* Thymus		Leukemia Mononuclear	
Note: MCL is also in peri-thymic fat.			
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 48	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101958

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-13]			
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Minimal
* Pituitary Gland		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 48	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101958

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 49	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 690
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101959

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Necrosis	Mild
[Hyperplasia TGLS = 3-15]			
[Leukemia Mononuclear TGLS = 3-15]			
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-17]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 6-18]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 49	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 690
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101959

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa	Gingival	Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Minimal
* Pituitary Gland		Cyst	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-13]			
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Inflammation	Mild
* Stomach, Glandular		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 2-14]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Liver Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 50	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 676
	DOSE: 0 PPM	**DISP:** Natural Death	**HISTO:** 0101960

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Epididymis
* Esophagus	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Marked
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Moderate
[Leukemia Mononuclear TGLS = 7-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 50	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 676
	DOSE: 0 PPM	**DISP:** Natural Death	**HISTO:** 0101960

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-15]			
[Leukemia Mononuclear TGLS = 3-13]			
[Leukemia Mononuclear TGLS = 5-14]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Nose		Inflammation	Moderate
Oral Mucosa	Gingival	Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Liver Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 51	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Cyst	Minimal
		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-13]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 51	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101961

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Follicle	Cyst	Mild
	Follicle	Degeneration	Minimal
	C Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 52	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 715
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Fatty Change TGLS = 7-14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Inflammation	Minimal
* Pituitary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
* Prostate		Atrophy	Minimal
[Atrophy TGLS = 4-12]			
* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 5-12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 52	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 715
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101962

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Mild
		Pigmentation	Hemosiderin, Minimal
[Hyperplasia TGLS = 6-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-14]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Adenoma	
[Adenoma TGLS = 8-8]			
PRIMARY CAUSE OF DEATH	- Skin Subcut Tiss Fibroma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 53	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 610
	DOSE: 312 PPM	**DISP:** Natural Death	**HISTO:** 0101963

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	
MISSING			
* Lymph Node, Mandibular			
AUTO PRECLUDES DIAG.			
* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Lung
* Parathyroid Gland			
OBSERVATIONS			
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
* Liver		Degeneration	Cystic, Minimal
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Spleen		Autolysis	
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Autolysis	
		Inflammation	Minimal
[Inflammation TGLS = 1-6]			
* Stomach, Glandular		Erosion	Moderate
[Erosion TGLS = 2-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 54	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 373
	DOSE: 312 PPM	**DISP:** Natural Death	**HISTO:** 0101964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Epididymis	* Esophagus
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pituitary Gland
* Preputial Gland	* Skin	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
Blood Vessel	Aorta	Leukemia Mononuclear	
Note: MCL is in peri-aortic fat.			
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
[Hemorrhage TGLS = 4-9]			
Eye		Leukemia Mononuclear	
Harderian Gland		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
* Intestine Large, Colon		Leukemia Mononuclear	
* Intestine Large, Rectum		Leukemia Mononuclear	
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
* Liver		Fatty Change	Diffuse, Moderate
		Leukemia Mononuclear	
		Necrosis	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 54	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 373
	DOSE: 312 PPM	**DISP:** Natural Death	**HISTO:** 0101964

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Acute, Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3+4]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
* Pancreas		Leukemia Mononuclear	
* Parathyroid Gland		Leukemia Mononuclear	
* Prostate		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
Note: Mass on splenic capsule is composed of MCL cells, and extends into pancreas also.			
[Leukemia Mononuclear TGLS = 1,2-5+13]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Testes		Inflammation	Marked
		Necrosis	Marked
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	
* Thyroid Gland		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Lung Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 55	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101965

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Marked
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
	Atrium	Thrombosis	Mild
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-15]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 55	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101965

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-14]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Preputial Gland		Adenoma	
* Prostate		Inflammation	Mild
* Spleen		Accessory Spleen	
		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Accessory Spleen TGLS = 3-13]			
[Leukemia Mononuclear TGLS = 2-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 56	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
		Necrosis	Mild
[Mixed Cell Focus TGLS = 4-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Oral Mucosa	Gingival	Inflammation	Minimal
* Pancreas		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 56	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101966

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Hyperplasia	Mild
* Salivary Glands		Inflammation	Mild
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-14]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 3-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 57	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
	Myeloid Cell	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Adenoma	
	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 2-6+7]			
[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Granulomatous, Moderate
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 57	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101967

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 1-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-11]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 58	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101968

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	Eye	* 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
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 10-6+7]			
[Leukemia Mononuclear TGLS = 10-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-18]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 6-17]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 58	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101968

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Moderate
Note: Cyst in pancreas is due to dilation of ducts subsequent to moderate atrophy of acini.			
[Atrophy TGLS = 9-14]			
* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Mild
* Preputial Gland		Carcinoma	
Note: The preputial gland carcinoma is predominantly squamous and probably arises from the duct.			
[Carcinoma TGLS = 1-15]			
* Prostate		Atrophy	Minimal
[Atrophy TGLS = 2-12]			
* Salivary Glands		Inflammation	Marked
* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 3-12]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Inflammation	Granulomatous, Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Inflammation TGLS = 8-13]			
[Leukemia Mononuclear TGLS = 7-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 4,5-16]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Degeneration	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 59	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 715
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
Blood Vessel	Aorta	Leukemia Mononuclear	
Note: MCL is in peri-aortic fat.			
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
Eye	Retina	Degeneration	Minimal
Harderian Gland		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Mild
		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Minimal
[Hyperplasia TGLS = 6-6+7]			
[Leukemia Mononuclear TGLS = 6-6+7]			
* Lung	Interstitium	Fibrosis	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Acute, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 59	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 715
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101969

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
Note: Acute inflammation is associated with eosinophilic crystals in this animal.			
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-18]			
[Leukemia Mononuclear TGLS = 5-16]			
[Leukemia Mononuclear TGLS = 10-19]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-15]			
* Nose		Inflammation	Minimal
		Leukemia Mononuclear	
Note: There is squamous metaplasia of respiratory epithelium and respiratory metaplasia of olfactory epithelium secondary to the inflammation in this animal.			
Note: MCL infiltrate is perineural (trigeminal nerve), submucosal (nasal mucosa), peri-ductal (nasolacrimal duct), intramuscular, and peridontal.			
* Pancreas		Inflammation	Minimal
* Pituitary Gland		Leukemia Mononuclear	
Note: TGL-8 is red because of hemorrhage into the pars distalis. Most of the pituitary has been obliterated by MCL.			
[Leukemia Mononuclear TGLS = 8-8]			
* Prostate		Inflammation	Minimal
		Leukemia Mononuclear	
* Skin	Subcut Tiss	Fibroma	
		Hyperplasia	Mild
Note: TGL-1 is a pedunculated mass comprised of all skin components, all of which are fairly normal.			
Note: The fibroma is infiltrated by MCL cells.			
[Fibroma TGLS = 7-17]			
[Hyperplasia TGLS = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 3-14]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 59	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 715
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101969

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Leukemia Mononuclear	
Note: MCL obliterates thymus.			
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 60	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Medulla	Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Hyperplasia	Minimal
* Prostate		Atrophy	Minimal
		Inflammation	Minimal
[Atrophy TGLS = 3-12]			
* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 2-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 60	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101970

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-13]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 61	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 499
	DOSE: 312 PPM	**DISP:** Natural Death	**HISTO:** 0101971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Stomach, Forestomach

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Pancreas		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 1-5]			
* Testes	Interstit Cell	Hyperplasia	Moderate
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 62	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 1-13]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Ectasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-15]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 62	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101972

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Atrophy	Minimal
		Inflammation	Minimal
[Atrophy TGLS = 3-12]			
* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 4-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-14]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 63	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101973

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum	Peyers Patch	Hyperplasia	Lymphoid, Moderate
* Kidney	Renal Tubule	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 2-14]			
* Preputial Gland		Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 63	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101973

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-13]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 64	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 698
	DOSE: 312 PPM	**DISP:** Natural Death	**HISTO:** 0101974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Preputial Gland
* Salivary Glands	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland

OBSERVATIONS

Eye			
Note: Optic nerves not present at trim.			
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Medulla	Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 6-5]			
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 1-8]			
[Angiectasis TGLS = 1-8]			
* Prostate		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 64	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 698
	DOSE: 312 PPM	**DISP:** Natural Death	**HISTO:** 0101974

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Mild
[Atrophy TGLS = 4-12]			
* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 3-12]			
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 5-5]			
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Inflammation	Moderate
		Ulcer	Minimal
Note: Thinning of the squamous epithelium at one point suggests an ulcer that is not in the plane of section.			
* Stomach, Glandular		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 65	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	

Note: There is an area of regeneration adjacent to a large mixed cell focus on slide 06.
[Hyperplasia TGLS = 2-6+7]
[Leukemia Mononuclear TGLS = 2-6+7]

* Lung	Bronchiole	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 65	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101975

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 3-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-13]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 66	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 535
	DOSE: 312 PPM	**DISP:** Natural Death	**HISTO:** 0101976

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
* Liver		Fatty Change	Diffuse, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Moderate
[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Nose		Inflammation	Moderate
* Pancreas		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 66	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 535
	DOSE: 312 PPM	**DISP:** Natural Death	**HISTO:** 0101976

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-5]			
* Testes		Leukemia Mononuclear	
		Necrosis	Marked
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	
Note: Thymus is replaced by MCL cells.			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 67	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 698
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101977

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Necrosis	Mild
* Brain		Necrosis	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Infiltration Cellular	Plasma Cell, Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 3-13]			
[Infiltration Cellular TGLS = 5-14]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Oral Mucosa	Gingival	Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 67	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 698
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101977

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Inflammation	Moderate
* Stomach, Glandular		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 68	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101978

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
	Endocardium	Hyperplasia	Marked
* Kidney		Accumulation, Hyaline Droplet	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Hyperplasia TGLS = 6-6+7]			
[Leukemia Mononuclear TGLS = 6-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 68	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101978

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Pancreas		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Moderate
[Hyperplasia TGLS = 7-8]			
* Prostate		Inflammation	Minimal
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 4-5]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-14]			
[Degeneration TGLS = 3-14]			
* Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 69	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 526
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101979

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Salivary Glands			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
Blood Vessel	Aorta	Leukemia Mononuclear	
Note: MCL is in peri-aortic fat.			
Harderian Gland		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
* Intestine Large, Colon		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney		Infarct	
		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 69	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 526
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101979

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-17]			
[Leukemia Mononuclear TGLS = 1-13]			
[Leukemia Mononuclear TGLS = 3-15]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			
* Mammary Gland		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
Oral Mucosa	Gingival	Inflammation	Minimal
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Angiectasis	Moderate
		Inflammation	Mild
* Preputial Gland		Leukemia Mononuclear	
* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
Skeletal Muscle		Leukemia Mononuclear	
* Skin		Leukemia Mononuclear	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-16]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
	Interstit Cell	Hyperplasia	Moderate
[Adenoma TGLS = 5-11]			
[Degeneration TGLS = 5-11]			
* Thymus		Leukemia Mononuclear	
Note: Thymus is replaced by MCL cells.			
* Thyroid Gland		Leukemia Mononuclear	
Tooth		Leukemia Mononuclear	
* Trachea		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 69	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 526
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101979

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder		Leukemia Mononuclear
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 70	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 543
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101980

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Mild
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Hyperplasia	Minimal
* Preputial Gland		Adenoma	
		Hyperplasia	Moderate
[Adenoma TGLS = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 70	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 543
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101980

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-14]			
* Thymus		Atrophy	Moderate
* Urinary Bladder		Calculus Gross Observation	
Note: Calculus gross observation only correlates with TGL-2.			

PRIMARY CAUSE OF DEATH - Preputial Gland Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 71	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Diffuse, Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 3-14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Nose		Inflammation	Mild
Note: There is respiratory epithelial hyperplasia secondary to the nasal inflammation in this animal.			
* Pancreas	Acinus	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 71	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101981

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Hyperplasia	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-13]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 72	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 609
	DOSE: 312 PPM	**DISP:** Natural Death	**HISTO:** 0101982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
Blood Vessel	Aorta	Leukemia Mononuclear	
Note: MCL is in peri-aortic fat.			
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Granulomatous, Moderate
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-15]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-16]			
* Nose		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 72	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 609
	DOSE: 312 PPM	**DISP:** Natural Death	**HISTO:** 0101982

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Prostate		Inflammation	Minimal
* Skin		Basal Cell Adenoma	
	Subcut Tiss	Inflammation	Minimal
Note: As noted in the INAR, much of the tumor is absent; the base is consistent with diagnosis of basal cell adenoma.			
[Basal Cell Adenoma TGLS = 6-17]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2,3-13+14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 73	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101983

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Stomach, Forestomach	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Vacuolization Cytoplasmic	Mild
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 2-14]			
* Heart		Cardiomyopathy	Moderate
* Kidney	Medulla	Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
* Lung		Carcinoma	Metastatic (Thyroid Gland)
	Bronchiole	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Mild
Note: The thyroid C-cell carcinoma metastases are fairly solidly cellular compared to the bronchiolar-alveolar pattern of bronchiolar hyperplasia in this lung.			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery		Mesothelioma Malignant	Metastatic (Epididymis)
Note: The mesothelioma was poorly positive (matrix and cytoplasm of few cells) with Alcian blue.			
[Mesothelioma Malignant TGLS = 3-15]			
* Pancreas	Acinus	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 73	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101983

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Marked
* Seminal Vesicle		Mesothelioma Malignant	Metastatic (Epididymis)
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Stomach, Glandular		Mesothelioma Malignant	Metastatic (Epididymis)
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	Metastatic (Epididymis)
[Adenoma TGLS = 4-11]			
[Mesothelioma Malignant TGLS = 4-11]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 6-8]			

PRIMARY CAUSE OF DEATH -

Animal Note: Special stains: Alcian blue staining was used on slides #03, 06, 08, 11, 14, and 15 to attempt to distinguish between the mesothelioma and other metastases.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 74	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101984

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney	Renal Tubule	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
* Lung	Bronchiole	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 74	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101984

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Granulomatous, Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Hematopoietic Cell Proliferation TGLS = 2-5]			
[Hyperplasia TGLS = 2-5]			
[Inflammation TGLS = 3-14]			
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-13]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 75	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 704
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Leukemia Mononuclear	
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Prostate		Atrophy	Mild
[Atrophy TGLS = 3-12]			
* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 4-12]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-14]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 75	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 704
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101985

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 5-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-13]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Skin Subcut Tiss Fibroma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 76	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
		Necrosis	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Deep Cervical	Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 5-16]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 76	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101986

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hyperplasia	Minimal
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 4-15]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Granulomatous, Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Inflammation TGLS = 2-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-13]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 77	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 4-15]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Oral Mucosa	Gingival	Inflammation	Minimal
* Pituitary Gland		Hyperplasia	Mild
* Preputial Gl			

Note: Preputial gland was normal microscopically despite being grossly larger than the contralateral gland.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 77	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101987

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate			
Note: What appeared to be a mass at necropsy was muscle. All remaining prostatic tissue was examined grossly and there was no mass.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-14]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 78	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Angiectasis	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Hyperplasia TGLS = 3-6+7]			
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Oral Mucosa	Gingival	Inflammation	Minimal
* Pancreas		Basophilic Focus	Moderate
* Pituitary Gland		Hyperplasia	Minimal
* Prostate		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 78	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101988

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 2-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-13]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 79	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 590
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Brain		Necrosis	Minimal
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-11]			
* Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	Mild
[Thrombosis TGLS = 9-7]			
* Kidney	Medulla	Mineralization	Mild
		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
		Fatty Change	Diffuse, Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Moderate
[Hepatodiaphragmatic Nodule TGLS = 7-15]			
[Leukemia Mononuclear TGLS = 6-6+7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 79	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 590
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0101989

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 6-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-17]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Mesentery		Mesothelioma Malignant	Metastatic (Epididymis)
[Mesothelioma Malignant TGLS = 5-16]			
* Nose		Thrombosis	Moderate
* Pancreas	Acinus	Atrophy	Minimal
		Mesothelioma Malignant	Metastatic (Epididymis)
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Mesothelioma Malignant	Metastatic (Epididymis)
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Mineralization	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	Metastatic (Epididymis)
[Adenoma TGLS = 3-14]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Liver Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 80	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
* Liver		Angiectasis	Moderate
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Angiectasis TGLS = 4,5,6,7-14+15]			
[Hyperplasia TGLS = 8-6+7]			
[Leukemia Mononuclear TGLS = 8-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 80	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101990

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Cyst	Minimal
		Hyperplasia	Minimal
* Preputial Gland		Inflammation	Moderate
[Inflammation TGLS = 2-12]			
* Prostate		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 3-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-13]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 81	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Hyperplasia	Moderate
	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Liver		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 6-13]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Minimal
Note: There is respiratory epithelial hyperplasia secondary to the nasal inflammation in this animal.			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 81	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101991

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Atrophy	Minimal
		Hyperplasia	Mild
[Atrophy TGLS = 3-12]			
* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 2-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 4-5]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
	Interstit Cell	Hyperplasia	Moderate
[Adenoma TGLS = 1-14]			
[Degeneration TGLS = 1-14]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 82	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Oral Mucosa	Gingival	Inflammation	Minimal
* Pituitary Gland		Pigmentation	Hemosiderin, Mild
[Pigmentation TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 82	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101992

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 3-13]			
[Degeneration TGLS = 2,3-13]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 83	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101993

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
Blood Vessel	Aorta	Leukemia Mononuclear	
Note: MCL is in peri-aortic fat.			
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Epididymis		Mesothelioma Malignant	
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
	Valve	Thrombosis	Mild
* Kidney		Infarct	
		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Infarct TGLS = 3-14]			
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Minimal
[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 83	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101993

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 1-14]			
* Nose			
Note: There is minimal respiratory epithelial hyperplasia secondary to the nasal inflammation.			
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Moderate
* Pituitary Gland		Angiectasis	Moderate
		Hyperplasia	Marked
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-13]			
* Thymus		Atrophy	Marked
		Ectopic Parathyroid Gland	Moderate
Note: MCL is in peri-thymic fat.			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 84	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101994

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	Coagulating Gland	* Epididymis
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose		Inflammation	Moderate
Note: There is moderate respiratory epithelial hyperplasia secondary to the inflammation in this animal.			
* Pituitary Gland		Angiectasis	Mild
[Angiectasis TGLS = 3-8]			
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 84	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101994

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-13]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 85	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 484
	DOSE: 312 PPM	**DISP:** Natural Death	**HISTO:** 0101995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Brain		Hemorrhage	Minimal
		Leukemia Mononuclear	
* Epididymis		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	Mild
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Marked
		Leukemia Mononuclear	
		Necrosis	Mild
[Fatty Change TGLS = 4-6+7]			
[Leukemia Mononuclear TGLS = 4-6+7]			
[Necrosis TGLS = 4-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 85	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 484
	DOSE: 312 PPM	**DISP:** Natural Death	**HISTO:** 0101995

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-13]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-15]			
* Mammary Gland		Leukemia Mononuclear	
* Nose		Leukemia Mononuclear	
		Thrombosis	Moderate
* Pancreas		Leukemia Mononuclear	
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 2-14]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Mild
	Interstit Cell	Hyperplasia	Moderate
* Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 86	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 673
	DOSE: 312 PPM	**DISP:** Natural Death	**HISTO:** 0101996

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
Blood Vessel	Aorta	Leukemia Mononuclear	
Note: MCL is in peri-aortic fat.			
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Brain		Hemorrhage	Marked
		Leukemia Mononuclear	
		Necrosis	Mild
[Hemorrhage TGLS = 6,7,8-9]			
[Necrosis TGLS = 6,7,8-9]			
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 86	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 673
	DOSE: 312 PPM	**DISP:** Natural Death	**HISTO:** 0101996

ORGAN AND ACCOUNTABLE SITE STATUS

		Necrosis	Minimal
[Hyperplasia TGLS = 4-6+7]			
[Leukemia Mononuclear TGLS = 4-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-13]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-14]			
* Pancreas		Inflammation	Minimal
* Pituitary Gland		Hyperplasia	Marked
		Leukemia Mononuclear	
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Necrosis	Moderate
[Leukemia Mononuclear TGLS = 1-13]			
[Necrosis TGLS = 2-13]			
* Stomach, Forestomach		Inflammation	Mild
* Stomach, Glandular		Erosion	Minimal
		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-11]			
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	
Tooth		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Brain Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 87	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101997

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
	Myeloid Cell	Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Diffuse, Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
		Necrosis	Minimal
[Hepatodiaphragmatic Nodule TGLS = 5-15]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 87	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101997

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 6-6+7]			
[Leukemia Mononuclear TGLS = 6-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Oral Mucosa	Gingival	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 7-13]			
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Minimal
* Pituitary Gland		Hyperplasia	Mild
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-14]			
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 3-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-15]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 88	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 641
	DOSE: 312 PPM	**DISP:** Natural Death	**HISTO:** 0101998

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Necrosis	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
	Aorta, Media, Tunic	Mineralization	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Minimal
* Salivary Glands		Atrophy	Minimal
* Skin		Keratoacanthoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 88	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 641
	DOSE: 312 PPM	**DISP:** Natural Death	**HISTO:** 0101998

ORGAN AND ACCOUNTABLE SITE STATUS

[Keratoacanthoma TGLS = 1-13]			
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 3-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-14]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 89	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101999

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Medulla	Mineralization	Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-13]			
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Osteosarcoma	Metastatic (Skin)
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 89	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0101999

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 1-8]			
* Skin		Osteosarcoma	
[Osteosarcoma TGLS = 4-15]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-14]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 90	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102000

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Thymus

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Carcinoma	
[Carcinoma TGLS = 4-8]			
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
	Endocardium	Hyperplasia	Marked
	Atrium	Thrombosis	Marked
[Thrombosis TGLS = 5-7]			
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
[Hepatodiaphragmatic Nodule TGLS = 3-14]			
* Lung		Carcinoma	Metastatic (Adrenal Cortex)
	Alveolus	Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 90	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102000

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Metastases were identified largely on the basis of similarities of nuclei to those in the adrenal cortical tumor.

* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-16]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 6-15]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-13]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 91	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 624
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Necrosis	Minimal
		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Leukemia Mononuclear	
Blood Vessel	Aorta	Leukemia Mononuclear	
		Mineralization	Minimal
Note: Only aorta is mineralized.			
Note: MCL is in peri-aortic fat.			
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Brain		Hemorrhage	Minimal
		Leukemia Mononuclear	
Eye		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 91	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 624
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102001

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-17]			
[Leukemia Mononuclear TGLS = 4-14]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-16]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
* Mammary Gland		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-13]			
* Stomach, Forestomach		Inflammation	Minimal
		Leukemia Mononuclear	
Note: There is a foreign body [hair] in the inflammed focus in this case.			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-11]			
* Thymus			
Note: MCL is in perithymic fat.			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
Tooth		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 92	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Marked
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
[Basophilic Focus TGLS = 1-13]			
[Clear Cell Focus TGLS = 1-13]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Ectasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 4-14]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 92	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102002

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Retention of secretion contributes to the enlargement in this case.			
[Inflammation TGLS = 5-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 93	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 710
	DOSE: 312 PPM	**DISP:** Natural Death	**HISTO:** 0102003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Eosinophilic Focus TGLS = 2-6+7]			
[Fatty Change TGLS = 2-6+7]			
[Mixed Cell Focus TGLS = 2-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
		Osteosarcoma	Metastatic (Skin)

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 93	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 710
	DOSE: 312 PPM	**DISP:** Natural Death	**HISTO:** 0102003

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Minimal
* Pituitary Gland		Hyperplasia	Moderate
* Prostate		Inflammation	Minimal
* Skin		Osteosarcoma	
[Osteosarcoma TGLS = 3-14]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-13]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Skin Osteosarcoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 94	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Carcinoma	
	Medulla	Mineralization	Mild
		Nephropathy	Moderate
[Carcinoma TGLS = 1-13]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-14]			
* Thymus		Atrophy	Marked
Tongue		Squamous Cell Papilloma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 94	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102004

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Papilloma TGLS = 3-15]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 95	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 657
	DOSE: 312 PPM	**DISP:** Natural Death	**HISTO:** 0102005

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Necrosis	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
Blood Vessel	Aorta	Leukemia Mononuclear	
Note: MCL is in peri-aortic fat.			
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
		Hyperplasia	Megakaryocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-15]			
[Leukemia Mononuclear TGLS = 5-17]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 95	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 657
	DOSE: 312 PPM	**DISP:** Natural Death	**HISTO:** 0102005

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-18]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14]			
Mesentery		Leukemia Mononuclear	
* Nose		Inflammation	Minimal
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 4-16]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-13]			
* Thymus		Atrophy	Marked
Tooth		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Liver Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 96	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 344
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Epididymis
Eye	* 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	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Minimal
* Esophagus		Leukemia Mononuclear	
Harderian Gland		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Cortex	Mineralization	Minimal
	Medulla	Mineralization	Mild
		Nephropathy	Minimal
[Leukemia Mononuclear TGLS = 5-14]			
* Liver		Fatty Change	Diffuse, Minimal
		Leukemia Mononuclear	
		Necrosis	Minimal
[Leukemia Mononuclear TGLS = 4-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-16]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 96	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 344
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102006

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-17]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-15]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Leukemia Mononuclear	
* Skin		Leukemia Mononuclear	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Necrosis	Mild
[Leukemia Mononuclear TGLS = 1-13]			
[Necrosis TGLS = 2,3-13]			
* Testes	Interstit Cell	Hyperplasia	Moderate
* Thymus		Leukemia Mononuclear	
Note: MCL obliterates thymus.			
* Thyroid Gland		Leukemia Mononuclear	
Tooth		Leukemia Mononuclear	
* Trachea			
Note: MCL is in peri-tracheal connective tissues.			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 97	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 709
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	Eye	Harderian Gland	* 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	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Necrosis	Marked
		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 6-8]			
* Adrenal Medulla		Hyperplasia	Moderate
[Hyperplasia TGLS = 6-8]			
* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
	Myeloid Cell	Hyperplasia	Mild
		Myelofibrosis	Mild
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 7-5]			
* Liver		Basophilic Focus	
	Bile Duct	Cyst	
		Degeneration	Cystic, Minimal
		Fatty Change	Diffuse, Mild
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 97	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 709
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102007

ORGAN AND ACCOUNTABLE SITE STATUS

		Necrosis	Minimal
[Degeneration TGLS = 5-15]			
[Fatty Change TGLS = 4-6+7]			
[Necrosis TGLS = 4-6+7]			
* Lung	Interstitium	Fibrosis	Minimal
	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Thrombosis	Mild
Note: The pulmonary thrombi may actually represent embolization from the atrial thrombosis.			
Lymph Node	Deep Cervical	Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 8-17]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 10-18]			
* Pituitary Gland		Angiectasis	Minimal
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-13]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 2-14]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-16]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Adrenal Cortex Necrosis;Liver Necrosis;Lung Thrombosis

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 98	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102008

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 98	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102008

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 2-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-13]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 99	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 702
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Thyroid Gland	* Trachea	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Brain		Necrosis	Mild
Harderian Gl			
Note: Missing one harderian gland at trim.			
* Heart		Cardiomyopathy	Moderate
		Leukemia Mononuclear	
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
[Pigmentation TGLS = 1-5]			
* Liver		Fatty Change	Diffuse, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 99	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 702
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102009

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-13]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-14]			
* Pancreas	Acinus	Atrophy	Mild
		Inflammation	Mild
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-8]			
* Prostate		Inflammation	Mild
Skeletal Muscle		Degeneration	Mild
Note: Myodegeneration is in skin section.			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 3-13]			
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Inflammation	Mild
* Stomach, Glandular		Inflammation	Mild
		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 4-11]			
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 100	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 653
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Kidney		Infarct	
	Medulla	Mineralization	Minimal
		Nephropathy	Mild
[Infarct TGLS = 4-5]			
[Nephropathy TGLS = 4-5]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 3-6+7]			
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 100	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 653
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102010

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Minimal
* Parathyroid Gland		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 2-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 101	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 669
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Parathyroid Gland		Hyperplasia	Moderate
* Skin		Keratoacanthoma	
Note: Keratoacanthoma was diagnosed based largely upon the depth of keratin overlying the lesion.			
[Keratoacanthoma TGLS = 1-13]			
* Spleen		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 101	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 669
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102011

ORGAN AND ACCOUNTABLE SITE STATUS

		Ulcer	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH	- Kidney	Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Stomach;Forestomach	Ulcer

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 102	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Hyperplasia	Marked
		Nephropathy	Marked
[Nephropathy TGLS = 9-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 10-14]			
[Mixed Cell Focus TGLS = 11-20]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Pancreatic	Ectasia	Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 102	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102012

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Moderate
		Inflammation	Granulomatous, Marked
		Pigmentation	Hemosiderin, Minimal
[Hyperplasia TGLS = 3-5]			
[Inflammation TGLS = 4,5,6,7,8-15+16+17+18+19]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 103	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 691
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Brain	* Epididymis
* Esophagus	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Trachea		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone		Fibrous Osteodystrophy	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 3-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 103	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 691
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102013

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Moderate
		Ulcer	Moderate
* Stomach, Glandular		Erosion	Moderate
		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	
Note: Thymic architecture is effaced by MCL. Epithelial portions remain.			
* Thyroid Gland	Bilateral, C Cell	Adenoma	
Tooth		Inflammation	Minimal
* Urinary Bladder		Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 104	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 687
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hematopoietic Cell Proliferation	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
	Myeloid Cell	Hyperplasia	Moderate
Eye	Lens	Cataract	Marked
	Retina	Degeneration	Marked
	Iris	Fibrosis	Moderate
[Cataract TGLS = 1-10]			
[Degeneration TGLS = 1-10]			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lung		Alveolar/Bronchiolar Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 104	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 687
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102014

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose			
Note: There is hyperplasia of respiratory epithelium, and mucous metaplasia, secondary to the inflammation.			
Oral Mucosa	Gingival	Inflammation	Mild
* Pituitary Gland		Hyperplasia	Moderate
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-13]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hemorrhage	Minimal
		Leukemia Mononuclear	
[Hemorrhage TGLS = 4-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 3-11]			
* Thymus		Atrophy	Marked
* Trachea		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Skin Subcut Tiss Fibroma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 105	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 105	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102015

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Follicular Cel	Adenoma	
[Adenoma TGLS = 2-8]			
* Trachea		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 106	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Pancreas
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
Harderian Gland		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Note: On the pleura (slide 04) there is a piece of adenoma interpreted to be a floater from the thyroid gland, based upon absence of tissue reaction.			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose		Inflammation	Mild
Note: Moderate respiratory epithelial hyperplasia is secondary to the inflammation.			
* Parathyroid Gland		Hyperplasia	Mild
* Prostate		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 106	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102016

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Minimal
[Atrophy TGLS = 2-12]			
* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 3-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Adenoma	

Note: There were 2 adenomas in one thyroid gland. One was torn and a likely source of the floater on the lung.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 107	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Marked
* Liver		Clear Cell Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
Note: Microscopically, no nodule was observed, although there were multiple foci of cellular alteration and bile duct hyperplasia that deform the capsule.			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Angiectasis	Minimal
[Angiectasis TGLS = 5-8]			
* Prostate		Atrophy	Mild
[Atrophy TGLS = 3-12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 107	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102017

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 4-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 108	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 543
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
	Myeloid Cell	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-14]			
* Pancreas		Inflammation	Minimal
* Preputial Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 108	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 543
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102018

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
		Ultimobranchial Cyst	Minimal
PRIMARY CAUSE OF DEATH	- Preputial Gland Carcinoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 109	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Preputial Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Clear Cell Focus TGLS = 7-6+7]			
[Mixed Cell Focus TGLS = 7-6+7+13]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose			

Note: There is respiratory epithelial hyperplasia secondary to the inflammation.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 109	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102019

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 6-8]			
[Angiectasis TGLS = 6-8]			
* Prostate		Atrophy	Moderate
[Atrophy TGLS = 3-12]			
* Salivary Glands		Atrophy	Mild
* Seminal Vesicle		Atrophy	Mild
[Atrophy TGLS = 2-12]			
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 5-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 110	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Pancreas		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Moderate
		Hyperplasia	Moderate
[Angiectasis TGLS = 5-8]			
[Hyperplasia TGLS = 5-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 110	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102020

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Adenoma	
[Adenoma TGLS = 2-14]			
* Prostate		Inflammation	Minimal
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 111	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 705
	DOSE: 625 PPM	**DISP:** Natural Death	**HISTO:** 0102021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyperplasia	Minimal
	Cortex	Mineralization	Moderate
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 1-5]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Moderate
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 6-13]			
* Pancreas		Inflammation	Minimal
* Parathyroid Gland		Hyperplasia	Minimal
Peritoneum		Mesothelioma Malignant	Metastatic (Epididymis)

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 111	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 705
	DOSE: 625 PPM	**DISP:** Natural Death	**HISTO:** 0102021

ORGAN AND ACCOUNTABLE SITE STATUS

[Mesothelioma Malignant TGLS = 2-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Preputial Gland		Atrophy	Marked
* Prostate		Inflammation	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-5]			
* Stomach, Glandular		Mineralization	Moderate
* Testes	Germinal Epith	Degeneration	Mild
	Interstit Cell	Hyperplasia	Minimal
		Mesothelioma Malignant	Metastatic (Epididymis)
[Degeneration TGLS = 4-11]			
[Hyperplasia TGLS = 4-11]			

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 112	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
* Epididymis		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Ectasia	Minimal
	Pancreatic	Ectasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 112	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102022

ORGAN AND ACCOUNTABLE SITE STATUS

	Pancreatic	Hemorrhage	Mild
	Mediastinal	Inflammation	Mild
	Pancreatic	Inflammation	Moderate
[Hemorrhage TGLS = 8-15]			
[Inflammation TGLS = 8-15]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose		Inflammation	Moderate
Note: There is respiratory metaplasia of olfactory epithelium secondary to nasal inflammation.			
Oral Mucosa	Gingival	Inflammation	Minimal
* Pancreas		Inflammation	Minimal
* Prostate		Atrophy	Minimal
[Atrophy TGLS = 3-12]			
* Seminal Vesicle		Atrophy	Mild
[Atrophy TGLS = 2-12]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
		Inflammation	Granulomatous, Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Hematopoietic Cell Proliferation TGLS = 5-5]			
[Hyperplasia TGLS = 5-5]			
[Inflammation TGLS = 6,7-13+14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 113	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 113	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102023

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 1-5]			
* Stom Gland			
Note: The appearance of a nodule at trim was due to a fold in the gastric mucosa.			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 114	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Ectasia	Mild
		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 114	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102024

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Mild
Note: There is moderate respiratory epithelial metaplasia secondary to the nasal inflammation.			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Mild
* Prostate		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Marked
		Inflammation	Granulomatous, Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Hyperplasia TGLS = 2-5]			
[Inflammation TGLS = 3,4-13+14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 115	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Ectasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 2-8]			
* Prostate		Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 115	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102025

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Minimal
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-11]			
[Degeneration TGLS = 1-11]			
[Hyperplasia TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 116	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 590
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Seminal Vesicle
* Skin	* Thyroid Gland	* Trachea	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
Blood Vessel	Aorta	Leukemia Mononuclear	
Note: MCL is in peri-aortic fat.			
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Leukemia Mononuclear	
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Moderate
[Pigmentation TGLS = 4-5]			
* Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Minimal
[Hyperplasia TGLS = 3-6+7]			
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 116	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 590
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102026

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Nose		Leukemia Mononuclear	
* Pancreas		Inflammation	Minimal
		Leukemia Mononuclear	
* Pituitary Gland		Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]			
* Prostate		Inflammation	Minimal
		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
Skeletal Muscle		Degeneration	Mild
Note: Degeneration is in muscle on slide 12.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-13]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate
[Adenoma TGLS = 1-11]			
[Hyperplasia TGLS = 1-11]			
* Thymus		Leukemia Mononuclear	
Tooth		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Liver Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 117	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 10-18]			
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
	Myeloid Cell	Hyperplasia	Mild
* Epididymis		Inflammation	Mild
Note: Granulomatous inflammation extends from the spleen.			
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Kidney		Accumulation, Hyaline Droplet	Mild
	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Hyperplasia	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 9-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 117	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102027

ORGAN AND ACCOUNTABLE SITE STATUS

	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
[Hepatocellular Carcinoma TGLS = 8-17]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Prostate		Atrophy	Minimal
		Inflammation	Minimal
[Atrophy TGLS = 3-12]			
* Seminal Vesicle		Atrophy	Mild
[Atrophy TGLS = 2-12]			
* Spleen		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Moderate
		Inflammation	Granulomatous, Marked
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Inflammation TGLS = 4,5,6,7-13+14+15+16]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 118	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 726
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lacrimal Gland	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Marked
* Adrenal Medulla		Hyperplasia	Moderate
Blood Vessel		Mineralization	Marked
Note: Blood vessels are heavily mineralized in mediastinum and heart.			
* Heart		Cardiomyopathy	Moderate
		Mineralization	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Cortex	Mineralization	Marked
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-13]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Acute, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 118	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 726
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102028

ORGAN AND ACCOUNTABLE SITE STATUS

		Mineralization	Marked
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Parathyroid Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 4-8]			
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Inflammation	Marked
		Mineralization	Mild
		Ulcer	Marked
* Stomach, Glandular		Mineralization	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Trachea		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 119	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Preputial Gland	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Moderate
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
[Fatty Change TGLS = 1-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Infiltration Cellular	Plasma Cell, Minimal
[Infiltration Cellular TGLS = 3-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 119	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102029

ORGAN AND ACCOUNTABLE SITE STATUS

Note: There is marked respiratory metaplasia and hyperplasia secondary to the nasal inflammation.			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-14]			
* Prostate		Inflammation	Mild
* Salivary Glands		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Marked
		Inflammation	Marked
		Ulcer	Marked
Note: Ulcer is almost perforated and has abundant granulation tissue filling the defect.			
[Inflammation TGLS = 5-15]			
[Ulcer TGLS = 5-15]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Mild
	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 120	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone		Osteosarcoma	
[Osteosarcoma TGLS = 1-13]			
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
[Degeneration TGLS = 3-14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 120	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102030

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Salivary Glands		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 121	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Pancreas	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose	Respirat Epith	Hyperplasia	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland		Angiectasis	Moderate
		Hyperplasia	Moderate
* Prostate		Hyperplasia	Minimal
		Inflammation	Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-13]			
* Spleen	Lymph Follic	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 121	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102031

ORGAN AND ACCOUNTABLE SITE STATUS

		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Moderate
		Ulcer	Mild
* Stomach, Glandular		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Bilateral, C Cell	Adenoma	
[Adenoma TGLS = 4-8]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 122	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 494
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Accumulation, Hyaline Droplet	Mild
		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung		Inflammation	Granulomatous, Marked
		Leukemia Mononuclear	
[Inflammation TGLS = 4-3+4]			
[Leukemia Mononuclear TGLS = 4-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 122	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 494
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102032

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-6]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 1-5]			
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
* Testes	Germinal Epith	Degeneration	Minimal
	Interstit Cell	Hyperplasia	Mild
* Thymus		Atrophy	Moderate
		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Lung Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 123	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
		Cyst	Minimal
[Adenoma TGLS = 4-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 123	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102033

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-13]			
* Prostate		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 124	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
Blood Vessel	Aorta	Leukemia Mononuclear	
Note: MCL is in peri-aortic fat.			
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Minimal
[Leukemia Mononuclear TGLS = 4-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Acute, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 124	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102034

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: Affected pancreatic lymph node is present with mesenteric node on slide 15.			
[Leukemia Mononuclear TGLS = 5-14]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-15]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Hyperplasia	Minimal
* Prostate		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-11]			
* Thymus		Atrophy	Moderate
		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 125	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Thyroid Gland	* Trachea	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 4-8]			
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Pelvis	Inflammation	Minimal
	Cortex	Mineralization	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Mineralization	Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLS = 3-13]			
* Lymph Node, Mesenteric		Ectasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
[Ectasia TGLS = 6-14]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 125	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102035

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 6-14]			
Oral Mucosa	Gingival	Inflammation	Mild
* Parathyroid Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 5-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Moderate
		Ulcer	Mild
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Urinary Bladder		Inflammation	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 126	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 499
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Prostate		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 127	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Clear Cell Focus TGLS = 5-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Ectasia	Minimal
	Mediastinal	Hyperplasia	Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 127	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102037

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Fibrosis TGLS = 3-13]			
[Leukemia Mononuclear TGLS = 2,4-5+13]			
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 128	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
	Myeloid Cell	Hyperplasia	Moderate
* Epididymis		Inflammation	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
	Renal Tubule	Pigmentation	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Hyperplasia TGLS = 5-6+7]			
[Mixed Cell Focus TGLS = 5-6+7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 128	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102038

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
Note: Granulomatous inflammation affects the arteries in the lungs of this animal.			
Lymph Node	Mediastinal	Ectasia	Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Parathyroid Gland		Hyperplasia	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Granulomatous, Marked
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Inflammation TGLS = 2,3-5+13+14]			
[Leukemia Mononuclear TGLS = 2-5]			
* Stomach, Glandular		Erosion	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 129	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 624
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lacrimal Gland
* Mammary Gland	* Nose	* Pancreas	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Hyperplasia	Minimal
		Hyperplasia	Oncocytic, Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 129	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 624
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102039

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Hemosiderin, Minimal
* Testes	Germinal Epith	Degeneration	Mild
	Interstit Cell	Hyperplasia	Minimal
		Mesothelioma Malignant	Metastatic (Epididymis)
[Degeneration TGLS = 1-11]			
[Hyperplasia TGLS = 1-11]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 130	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-14]			
* Preputial Gland		Inflammation	Mild
[Inflammation TGLS = 2-12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 130	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102040

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Minimal
* Spleen		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Fibrosis TGLS = 3-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-14]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 131	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Moderate
		Mineralization	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Granulomatous, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose		Inflammation	Mild
Note: There is moderate respiratory epithelial metaplasia and hyperplasia secondary to the nasal inflammation.			
Oral Mucosa	Gingival	Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 131	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102041

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Minimal
* Prostate		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Hematopoietic Cell Proliferation TGLS = 3-5]			
[Hyperplasia TGLS = 3-5]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
[Adenoma TGLS = 2-13]			
[Degeneration TGLS = 1,2-13]			
* Thymus		Atrophy	Marked
* Urinary Bladder		Calculus Gross Observation	

Note: TGL-5 was a grossly-observed calculus. There was no microscopic abnormality.
Note: Material identified grossly as calculus appears to be secretion from the seminal vesicles.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 132	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Preputial Gland	* Salivary Glands	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Blood Vessel		Inflammation	Minimal
Note: A cecal and ileal arteriole are affected.			
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Hyperplasia	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 6-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-14]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 132	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102042

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Atrophy	Minimal
[Atrophy TGLS = 5-12]			
* Seminal Vesicle		Atrophy	Mild
[Atrophy TGLS = 4-12]			
* Skin		Trichoepithelioma	
[Trichoepithelioma TGLS = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 7-5]			
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Inflammation	Marked
		Ulcer	Marked
* Stomach, Glandular		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 133	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Rectum		Leiomyoma	
[Leiomyoma TGLS = 8-14]			
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Hyperplasia	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Ectasia	Mild
		Infiltration Cellular	Histiocyte, Mild
[Ectasia TGLS = 7-6]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 133	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102043

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 7-6]			
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland		Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 3-15]			
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 6-13]			
* Trachea		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 134	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Brain	* Epididymis
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Stomach, Forestomach	* Stomach, Glandular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Bone		Osteosclerosis	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
		Myelofibrosis	Mild
Note: Myelofibrosis involves tibial marrow.			
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Moderate
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Degeneration TGLS = 6-13]			
[Hyperplasia TGLS = 4-6+7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 134	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102044

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 7-14]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Parathyroid Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 8-8]			
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 1-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 135	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 613
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
[Hemorrhage TGLS = 7-9]			
Eye		Leukemia Mononuclear	
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
[Leukemia Mononuclear TGLS = 4-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Inflammation	Mild
	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 135	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 613
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102045

ORGAN AND ACCOUNTABLE SITE STATUS

	Pancreatic	Leukemia Mononuclear	
[Inflammation TGLS = 6-14]			
[Leukemia Mononuclear TGLS = 5-13]			
[Leukemia Mononuclear TGLS = 6-14]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Nose	Olfactory Epi	Metaplasia	Minimal
* Preputial Gland		Carcinoma	
* Prostate		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 1-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Adenoma	
[Adenoma TGLS = 8-8]			
* Trachea		Inflammation	Minimal
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Brain Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 136	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Blood Vessel	Pulmn Artery, Pulmn Vein	Hypertrophy	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Acute, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 136	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102046

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Stomach, Glandular		Mineralization	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1,2-11]			
* Thymus		Atrophy	Moderate
* Trachea		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 137	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 7-8]			
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Epididymis		Inflammation	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Hyperplasia	Minimal
	Cortex	Mineralization	Minimal
	Medulla	Mineralization	Mild
		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 137	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102047

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Acute, Minimal
		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
Note: Eosinophilic crystals are associated with the inflammation and alveolar hyperplasia in this case.			
[Hyperplasia TGLS = 6-15]			
[Inflammation TGLS = 6-15]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
* Nose		Inflammation	Minimal
Note: There is hyperplasia of respiratory epithelium secondary to the inflammation in this animal.			
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Moderate
		Inflammation	Granulomatous, Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Hyperplasia TGLS = 3-5]			
[Inflammation TGLS = 4-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-14]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 138	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
		Myelofibrosis	Mild
Note: Myelofibrosis affects both tibial and femoral bone marrow.			
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Medulla	Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 1-5]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 138	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102048

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Acute, Mild
		Leukemia Mononuclear	
		Thrombosis	Moderate
Note: There is fibrin embolization/thrombosis of numerous capillaries.			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Mesentery		Inflammation	Mild
Note: There is inflammation in peri-pancreatic fat.			
* Prostate		Inflammation	Minimal
* Sem Ves			
Note: One seminal vesicle is missing.			
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 3-13]			
* Stomach, Glandular		Erosion	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-11]			
PRIMARY CAUSE OF DEATH	- Lung Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 139	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Moderate
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
[Hyperplasia TGLS = 5-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Ectasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 139	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102049

ORGAN AND ACCOUNTABLE SITE STATUS

		Infiltration Cellular	Histiocyte, Minimal
[Ectasia TGLS = 6-13]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Minimal
* Preputial Gland	Duct	Cyst	Mild
[Cyst TGLS = 3-12]			
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-14]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 140	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 543
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Marked
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Fatty Change TGLS = 1-6+7]			
[Hyperplasia TGLS = 1-6+7]			
[Leukemia Mononuclear TGLS = 1-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: Pancreatic lymph node is also on slide 14.			
[Leukemia Mononuclear TGLS = 4-15]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 140	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 543
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102050

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Hyperplasia	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 141	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 486
	DOSE: 625 PPM	**DISP:** Natural Death	**HISTO:** 0102051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
Note: TGL-2 was likely an area of autolysis.			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Prostate		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Stomach, Glandular		Mineralization	Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-13]			
* Thymus		Atrophy	Marked
* Trachea		Inflammation	Minimal

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 141	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 486
	DOSE: 625 PPM	**DISP:** Natural Death	**HISTO:** 0102051

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 142	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
	Myeloid Cell	Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Accumulation, Hyaline Droplet	Minimal
	Renal Tubule	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Leukemia Mononuclear	
[Hepatocellular Adenoma TGLS = 6-14]			
[Leukemia Mononuclear TGLS = 7-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 142	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102052

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-13]			
* Pancreas	Acinus	Atrophy	Minimal
* Prostate		Atrophy	Minimal
		Inflammation	Mild
[Atrophy TGLS = 4-12]			
* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 5-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 3-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-16]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 143	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney	Medulla	Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Minimal
Note: There is respiratory epithelial hyperplasia secondary to the nasal inflammation.			
* Pancreas	Acinus	Atrophy	Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 143	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102053

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 144	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
[Hyperplasia TGLS = 3-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
Note: There are two cross sections of a nematode within a pulmonary artery, interpreted to be "floaters" (artifact).			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-13]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 144	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102054

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland		Ultimobranchial Cyst	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 145	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	Mild
* Intestine Large, Cecum		Erosion	Minimal
* Intestine Large, Colon		Erosion	Mild
		Inflammation	Mild
* Kidney		Accumulation, Hyaline Droplet	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Necrosis	Mild
[Hyperplasia TGLS = 5-16]			
[Leukemia Mononuclear TGLS = 4-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Inflammation	Mild
[Inflammation TGLS = 8-15]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 145	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102055

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Thrombosis	Moderate
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 2-8]			
* Prostate		Atrophy	Minimal
		Inflammation	Marked
[Atrophy TGLS = 6-12]			
* Seminal Vesicle		Atrophy	Minimal
		Inflammation	Moderate
[Atrophy TGLS = 7-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 3-13]			
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Inflammation	Moderate
		Ulcer	Moderate
[Inflammation TGLS = 9-14]			
[Ulcer TGLS = 9-14]			
* Stomach, Glandular		Hyperplasia	Mild
		Inflammation	Mild
		Ulcer	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 146	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 711
	DOSE: 625 PPM	**DISP:** Natural Death	**HISTO:** 0102056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Epididymis
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Mild
		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Mild
[Degeneration TGLS = 7-15]			
[Hyperplasia TGLS = 5-6+7]			
[Leukemia Mononuclear TGLS = 5,6,7-6+7+15]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-16]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 146	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 711
	DOSE: 625 PPM	**DISP:** Natural Death	**HISTO:** 0102056

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-17]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 2-13]			
Oral Mucosa	Gingival	Hyperplasia	Marked
	Gingival	Inflammation	Mild
Note: Gingival hyperplasia is associated with inflammation in this animal.			
[Hyperplasia TGLS = 10-1]			
[Inflammation TGLS = 10-1]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Marked
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Marked
[Adenoma TGLS = 3-11]			
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 147	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
[Clear Cell Focus TGLS = 3-6+7]			
[Hyperplasia TGLS = 3-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-14]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 147	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102057

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-13]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 148	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Epididymis		Granuloma Sperm	Minimal
Eye	Ciliary Body	Inflammation	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Degeneration	Cystic, Minimal
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas		Inflammation	Minimal
* Parathyroid Gland		Hyperplasia	Minimal
* Prostate		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 148	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102058

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hyperplasia	Lymphoid, Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 149	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* Epididymis	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Cyst	
	Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Ectasia	Mild
	Mediastinal	Hemorrhage	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 149	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102059

ORGAN AND ACCOUNTABLE SITE STATUS

[Ectasia TGLS = 6-15]			
[Hemorrhage TGLS = 6-15]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2,3-13+14]			
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Bilateral, C Cell	Adenoma	
	C Cell	Carcinoma	
[Adenoma TGLS = 5-8]			
* Trachea		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 150	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 690
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel	Aorta	Leukemia Mononuclear	
Note: MCL is in peri-aortic fat.			
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
[Hemorrhage TGLS = 8-9]			
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Moderate
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Minimal
[Degeneration TGLS = 9-17]			
[Hyperplasia TGLS = 3,4-6+7+16]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 150	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 690
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102060

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3,4-6+7+16]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
[Leukemia Mononuclear TGLS = 7-15]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Hyperplasia	Minimal
[Adenoma TGLS = 1-8]			
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 2-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-11]			
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Brain Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 151	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 691
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Brain	* Esophagus	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Pancreas	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Mineralization	Moderate
Note: Aorta is mineralized.			
* Bone		Fibrous Osteodystrophy	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
* Epididymis		Granuloma Sperm	Minimal
Eye	Iris	Inflammation	Mild
* Heart		Cardiomyopathy	Moderate
		Mineralization	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Cortex	Mineralization	Moderate
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Mineralization TGLS = 2-5]			
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 151	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 691
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102061

ORGAN AND ACCOUNTABLE SITE STATUS

		Infarct	
		Inflammation	Chronic Active, Mild
Note: The caudate discoloration is a large area of coagulation necrosis bordered by macrophages bearing ceroid and hemosiderin.			
[Fatty Change TGLS = 4-6+7]			
[Infarct TGLS = 5-14]			
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Acute, Mild
		Mineralization	Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-13]			
* Nose		Inflammation	Minimal
Note: Respiratory epithelial hyerplasia is secondary to the nasal inflammation.			
* Parathyroid Gland		Hyperplasia	Moderate
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
Tooth		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 152	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 549
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Seminal Vesicle

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Mineralization	Mild
Note: Blood vessels including aorta are mineralized (mediastinum - thymic region - heart, and kidney).			
* Bone Marrow		Myelofibrosis	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Minimal
	Cortex	Mineralization	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Acute, Minimal
		Mineralization	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 152	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 549
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102062

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 3-14]			
* Lymph Node, Mesenteric		Ectasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
[Ectasia TGLS = 4-13]			
* Nose		Inflammation	Mild
Note: There is squamous metaplasia of respiratory epithelium and respiratory epithelial hyperplasia, secondary to the inflammation.			
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Stomach, Glandular		Inflammation	Minimal
		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 153	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 621
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Preputial Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Cyst	
	Pelvis, Transit Epithe	Hyperplasia	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Cyst TGLS = 3-5]			
[Nephropathy TGLS = 2-5]			
* Liver		Degeneration	Cystic, Minimal
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland		Hyperplasia	Minimal
* Prostate		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 153	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 621
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102063

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-13]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 154	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 694
	DOSE: 1250 PPM	**DISP:** Natural Death	**HISTO:** 0102064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Preputial Gland	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Blood Vessel		Mineralization	Moderate
Note: Aorta only affected.			
* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
		Mineralization	Mild
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Hyperplasia	Minimal
	Pelvis	Inflammation	Mild
	Cortex	Mineralization	Marked
	Medulla	Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Acute, Mild
		Mineralization	Mild
* Lymph Node, Mesenteric		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 154	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 694
	DOSE: 1250 PPM	**DISP:** Natural Death	**HISTO:** 0102064

ORGAN AND ACCOUNTABLE SITE STATUS

		Infiltration Cellular	Histiocyte, Minimal
Oral Mucosa	Gingival	Inflammation	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Marked
* Prostate		Inflammation	Moderate
* Seminal Vesicle		Mineralization	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Mineralization	Mild
* Stomach, Glandular		Mineralization	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Urinary Bladder		Inflammation	Mild

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 155	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 488
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Blood Vessel		Mineralization	Marked
Note: Arteries in many organs are mineralized (including aorta).			
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Cortex	Mineralization	Mild
	Medulla	Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Mineralization	Moderate
Lymph Node	Mediastinal	Ectasia	Minimal
Note: The lymph node is red due to hemorrhage/congestion.			
[Ectasia TGLS = 3-13]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 155	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 488
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102065

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Atrophy	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland		Cyst	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 156	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 621
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Blood Vessel		Mineralization	Moderate
Note: Blood vessels in many organs are mineralized (including aorta).			
* Heart		Cardiomyopathy	Moderate
		Mineralization	Marked
* Kidney	Renal Tubule	Cyst	
	Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Minimal
	Cortex	Mineralization	Marked
	Medulla	Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Acute, Minimal
		Mineralization	Moderate
* Lymph Node, Mesenteric		Atrophy	Mild
		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 156	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 621
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102066

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Inflammation	Minimal
* Parathyroid Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 4-8]			
* Prostate		Inflammation	Minimal
* Seminal Vesicle		Mineralization	Moderate
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Moderate
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Mineralization	Moderate
* Stomach, Glandular		Mineralization	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 157	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Cyst	
	Renal Tubule	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Atrophy	Moderate
		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Minimal
* Skin		Keratoacanthoma	

Note: No epidermis is actually present in section; diagnosis was based upon gross description and pattern of hyperkeratosis.
[Keratoacanthoma TGLS = 1-13]

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 157	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102067

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Stomach, Glandular		Ulcer	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
		Ectopic Parathyroid Gland	Minimal
Note: Ectopic parathyroid tissue is within a tiny portion of thymus on slide 03.			
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 158	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 593
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Leukemia Mononuclear TGLS = 2-5]			
[Nephropathy TGLS = 2-5]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hyperplasia TGLS = 3-6+7]			
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Granulomatous, Moderate
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Mild

Note: There is minimal hyperplasia of respiratory epithelium secondary to the inflammation.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 158	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 593
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102068

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Cyst	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 4-14]			
[Hyperplasia TGLS = 4-14]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 159	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 635
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Myelofibrosis	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Hyperplasia	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Renal	Ectasia	Mild
[Ectasia TGLS = 3-13]			
* Lymph Node, Mesenteric		Atrophy	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Parathyroid Gland		Hyperplasia	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 159	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 635
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102069

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Mild
		Ulcer	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
Note: Thymic atrophy diagnosed based upon gross findings (thymus so small as to be absent).			

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 160	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 529
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	Eye
Harderian Gland	* 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
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
	Myeloid Cell	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-13]			
Oral Mucosa	Gingival	Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 160	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 529
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102070

ORGAN AND ACCOUNTABLE SITE STATUS

	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 161	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 604
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Cyst	
	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Pancreatic	Ectasia	Minimal
	Deep Cervical	Infiltration Cellular	Plasma Cell, Mild
[Ectasia TGLS = 4-13]			
[Infiltration Cellular TGLS = 5-14]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 161	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 604
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102071

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8]			
* Prostate		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Marked
		Ulcer	Marked
Note: Ulcer has perforated.			
[Ulcer TGLS = 3-6+15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH	- Stomach, Forestomach Ulcer
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 162	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 569
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
	Myeloid Cell	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Marked
* Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
		Necrosis	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Mild
[Hyperplasia TGLS = 3-14]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose			
Note: There is respiratory epithelial hyperplasia secondary to the nasal inflammation.			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-13]			
* Prostate		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 162	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 569
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102072

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 2-11]			
[Degeneration TGLS = 2-11]			
[Hyperplasia TGLS = 2-11]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Preputial Gland Carcinoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 163	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 634
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Blood Vessel		Mineralization	Marked
Note: Blood vessels are mineralized in several organs including thymus, kidney, heart, and stomach. Aorta also is affected.			
* Heart		Cardiomyopathy	Moderate
		Mineralization	Mild
* Intestine Large, Cecum		Inflammation	Moderate
		Mineralization	Mild
Note: There is hyperplasia of epithelium, probably secondary to the inflammation.			
[Inflammation TGLS = 6-7]			
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Minimal
	Cortex	Mineralization	Marked
	Medulla	Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Mineralization	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 163	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 634
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102073

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mediastinal	Hemorrhage	Mild
	Pancreatic	Hemorrhage	Minimal
	Mediastinal	Infiltration Cellular	Plasma Cell, Mild
Note: Pancreatic lymph node is enlarged due to edema as well as hemorrhage.			
[Hemorrhage TGLS = 1-13]			
[Hemorrhage TGLS = 4-14]			
[Infiltration Cellular TGLS = 4-14]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLS = 5-6]			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland		Hyperplasia	Mild
* Prostate		Inflammation	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Mild
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland		Ultimobranchial Cyst	Minimal
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 164	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 637
	DOSE: 1250 PPM	**DISP:** Natural Death	**HISTO:** 0102074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 1-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Necrosis	Mild
[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Alveolar/Bronchiolar Carcinoma TGLS = 6-3]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 164	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 637
	DOSE: 1250 PPM	**DISP:** Natural Death	**HISTO:** 0102074

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-13]			
* Parathyroid Gland		Hyperplasia	Mild
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 4-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 165	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
	Myeloid Cell	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney		Accumulation, Hyaline Droplet	Marked
	Renal Tubule	Cyst	
	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Granulomatous, Moderate
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Pancreatic	Ectasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 165	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102075

ORGAN AND ACCOUNTABLE SITE STATUS

	Pancreatic	Inflammation	Moderate
[Ectasia TGLS = 6-15]			
[Inflammation TGLS = 6-15]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-14]			
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Inflammation	Granulomatous, Marked
		Pigmentation	Hemosiderin, Minimal
[Inflammation TGLS = 4,5-13+16]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- UNCERTAIN
CONTRIBUTORY CAUSE OF DEATH	- Liver Inflammation;Spleen Inflammation

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 166	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 537
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skin	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Renal Tubule	Adenoma	
	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Hyperplasia	Mild
	Cortex	Mineralization	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 6-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose			
Note: There is minimal hyperplasia of respiratory epithelium secondary to the inflammation.			
* Parathyroid Gland		Hyperplasia	Moderate
* Prostate		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 166	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 537
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102076

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 2-12]			
* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 3-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Mild
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Adenoma	
[Adenoma TGLS = 5-8]			
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 167	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 641
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Pancreas	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Eye	Cornea	Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
Note: NO CORRESPONDING LESION FOR TGLS 3-13.			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Mild
Note: There is mild hyperplasia of respiratory epithelium secondary to the nasal inflammation.			
* Parathyroid Gland		Hyperplasia	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 167	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 641
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102077

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 168	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 537
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Epididymis		Inflammation	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Moderate
	Artery	Inflammation	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
	Vein	Inflammation	Mild
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1,2-13+14]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 168	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 537
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102078

ORGAN AND ACCOUNTABLE SITE STATUS

	Interstit Cell	Hyperplasia	Mild
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 169	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-13]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 169	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102079

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Cyst	Minimal
		Leukemia Mononuclear	
* Pituitary Gland		Angiectasis	Mild
		Leukemia Mononuclear	
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 3-5]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 2-11]			
[Degeneration TGLS = 1-11]			
Tooth		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 170	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 681
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-13]			
Oral Mucosa	Gingival	Inflammation	Mild
* Pancreas		Metaplasia	Hepatocyte, Minimal
* Parathyroid Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 4-8]			
* Spleen		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 170	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 681
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102080

ORGAN AND ACCOUNTABLE SITE STATUS

		Ulcer	Minimal
* Stomach, Glandular		Ulcer	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Stomach;Glandular Ulcer

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 171	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 632
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Preputial Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Blood Vessel		Mineralization	Mild
Note: Aorta and renal arteries are mineralized.			
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Mild
[Cardiomyopathy TGLS = 3-7]			
* Intestine Large, Cecum		Inflammation	Minimal
* Kidney	Renal Tubule	Adenoma	
	Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Minimal
	Cortex	Mineralization	Marked
	Medulla	Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Metaplasia	Squamous, Minimal
		Mineralization	Marked
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 171	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 632
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102081

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 4-8]			
* Pituitary Gland		Inflammation	Minimal
* Prostate		Atrophy	Minimal
[Atrophy TGLS = 5-12]			
* Seminal Vesicle		Atrophy	Minimal
		Mineralization	Moderate
[Atrophy TGLS = 6-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Stomach, Glandular		Mineralization	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Trachea		Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 172	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 634
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Acute, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Prostate		Inflammation	Mild
* Spleen		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 172	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 634
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102082

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Moderate
		Ulcer	Moderate
* Stomach, Glandular		Erosion	Mild
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Mild
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-11]			
[Degeneration TGLS = 1-11]			
* Thymus		Atrophy	Marked
		Ectopic Parathyroid Gland	Minimal

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 173	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 507
	DOSE: 1250 PPM	**DISP:** Natural Death	**HISTO:** 0102083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 2-8]			
Blood Vessel		Mineralization	Minimal
Note: Only the media of an artery in the stomach (glandular portion) is affected.			
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Marked
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Necrosis	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
Lymph Node	Mediastinal	Hyperplasia	Mild
[Hyperplasia TGLS = 3-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Inflammation	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 173	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 507
	DOSE: 1250 PPM	**DISP:** Natural Death	**HISTO:** 0102083

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Adrenal Medulla Pheochromocytoma Malignant		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 174	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 624
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
		Mineralization	Minimal
Note: LIVER HAS SUBCAPSULAR NODULE OF MINERALIZATION.			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Prostate		Inflammation	Mild
* Spleen		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 174	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 624
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102084

ORGAN AND ACCOUNTABLE SITE STATUS

		Ulcer	Marked
[Ulcer TGLS = 4-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
		Ectopic Parathyroid Gland	Minimal

PRIMARY CAUSE OF DEATH	- Kidney	Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Stomach;Forestomach	Ulcer

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 175	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 604
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Harderian Gland
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Pancreas
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Blood Vessel		Mineralization	Marked
Note: Blood vessels are mineralized in mediastinum (thymic section), kidney, heart, and mesentery (renal lymph node section). Aorta is markedly mineralized.			
Eye	Antr Chamber	Inflammation	Moderate
Note: INFLAMMATION AFFECTS CILIARY BODY, IRIS, ANTERIOR CHAMBER, CORNEA.			
Note: Cornea is perforated.			
[Inflammation TGLS = 1-10]			
* Heart		Cardiomyopathy	Moderate
		Mineralization	Mild
* Intestine Large, Cecum		Erosion	Marked
		Inflammation	Marked
		Mineralization	Mild
[Erosion TGLS = 5-7]			
[Inflammation TGLS = 5-7]			
* Kidney	Renal Tubule	Cyst	
	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Cortex	Mineralization	Marked
	Medulla	Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 175	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 604
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102085

ORGAN AND ACCOUNTABLE SITE STATUS

	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Mineralization	Moderate
Lymph Node	Renal	Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLS = 4-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Nose		Inflammation	Minimal
Note: There is hyperplasia of respiratory epithelium associated with the nasal inflammation.			
* Parathyroid Gland		Hyperplasia	Marked
* Prostate		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
		Inflammation	Minimal
Note: A testicular artery is inflamed.			
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Intestine Large;Cecum Inflammation

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 176	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 529
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Carcinoma	
	Renal Tubule	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Necrosis	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Mediastinum	Myxosarcoma	
[Myxosarcoma TGLS = 2-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose			
Note: There is minimal squamous metaplasia and respiratory epithelial hyperplasia associated with the nasal inflammation.			
Oral Mucosa	Gingival	Inflammation	Minimal
* Prostate		Inflammation	Moderate
* Seminal Vesicle		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 176	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 529
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102086

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Ulcer	Minimal
* Stomach, Glandular		Ulcer	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Lung Mediastinum Myxosarcoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 177	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 639
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Minimal
[Hyperplasia TGLS = 3-6+7]			
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 177	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 639
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102087

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Minimal
* Parathyroid Gland		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 2-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Moderate
Note: There is MCL in perithymic fat.			
* Urinary Bladder		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 178	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 653
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Cyst	
	Pelvis, Transit Epithe	Hyperplasia	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 1-5]			
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Ectasia	Mild
		Infiltration Cellular	Histiocyte, Mild
[Ectasia TGLS = 3-13]			
[Infiltration Cellular TGLS = 3-13]			
* Pancreas		Inflammation	Minimal
* Parathyroid Gland		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 178	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 653
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102088

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 179	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Preputial Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Minimal
Harderian Gland		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland		Hyperplasia	Minimal
* Prostate		Atrophy	Minimal
		Inflammation	Minimal
[Atrophy TGLS = 2-12]			
* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 3-12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 179	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102089

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Stomach, Glandular		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 180	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 624
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Preputial Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Cortex	Mineralization	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Pancreas	Acinus	Atrophy	Minimal
		Cyst	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 180	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 624
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102090

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 181	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 555
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose			
Note: There is hyperplasia of respiratory epithelium secondary to the inflammation.			
* Pituitary Gland		Cyst	Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 181	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 555
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102091

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Hemosiderin, Minimal
* Testes	Germinal Epith	Degeneration	Minimal
	Interstit Cell	Hyperplasia	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 182	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 593
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
Blood Vessel		Mineralization	Marked
Note: There is mineralization of aorta and several other blood vessels including those in tongue, mediastinum, kidney, and mesentery.			
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Inflammation	Marked
		Ulcer	Moderate
[Inflammation TGLS = 4-7]			
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Mild
	Cortex	Mineralization	Moderate
	Medulla	Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Mineralization	Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 182	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 593
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102092

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa	Pharyngeal	Inflammation	Minimal
Note: There is mild squamous epithelial hyperplasia secondary to the inflammation.			
[Inflammation TGLS = 5-14]			
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-13]			

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 183	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 726
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
[Fatty Change TGLS = 4-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Ectasia	Minimal

Note: Degree of ectasia found microscopically in the lymph node is insufficient to account for the grossly-observed (5x) enlargement. No correlating lesion found.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 183	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 726
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102093

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Atrophy	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Nose			
Note: Nasal inflammation is associated with a foreign body and has focal secondary respiratory metaplasia.			
* Pancreas	Acinus	Atrophy	Minimal
		Cyst	Minimal
		Inflammation	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland		Hyperplasia	Mild
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-13]			
* Prostate		Atrophy	Mild
[Atrophy TGLS = 6-12]			
* Seminal Vesicle		Atrophy	Mild
[Atrophy TGLS = 7-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-14]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 184	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Epididymis	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Trachea		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Blood Vessel	Aorta	Leukemia Mononuclear	
Note: MCL is in peri-aortic fat.			
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
[Hemorrhage TGLS = 7,8-9+14]			
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Degeneration TGLS = 6-6]			
[Hyperplasia TGLS = 4-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Mammary Gland		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 184	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102094

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Cyst	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-13]			
* Stomach, Glandular		Inflammation	Mild
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Minimal
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-11]			
[Hyperplasia TGLS = 1-11]			
* Thymus		Leukemia Mononuclear	
Note: MCL involves both thymus and peri-thymic fat.			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 5-8]			
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Brain Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 185	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone Marrow	* Brain	* Epididymis
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Salivary Glands	* Seminal Vesicle	* Skin	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Mild
	Cortex	Mineralization	Mild
	Medulla	Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 185	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102095

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Duct	Cyst	Marked
[Cyst TGLS = 1-13]			
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Mild
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
[Adenoma TGLS = 2-11]			
[Degeneration TGLS = 2-11]			
* Thymus		Atrophy	Marked
		Ectopic Parathyroid Gland	Minimal
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 186	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 675
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Necrosis	Minimal
		Necrosis	Mild
[Necrosis TGLS = 2-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Ectasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland		Hyperplasia	Minimal
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 186	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 675
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102096

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Moderate
		Ulcer	Marked
* Stomach, Glandular		Erosion	Minimal
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-11]			
[Degeneration TGLS = 1-11]			

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 187	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 680
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Moderate
	Renal Tubule	Hyperplasia	Moderate
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland		Hyperplasia	Marked
* Prostate		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 187	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 680
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102097

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Mild
		Ulcer	Marked
[Ulcer TGLS = 3-13]			
* Stomach, Glandular		Inflammation	Moderate
		Mineralization	Minimal
		Ulcer	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		
CONTRIBUTORY CAUSE OF DEATH	- Stomach;Forestomach Ulcer;Stomach;Glandular Ulcer		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 188	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 529
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Marked
		Inflammation	Granulomatous, Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Pancreas		Inflammation	Minimal
* Preputial Gland		Hyperplasia	Mild
		Inflammation	Mild

Note: Most of the enlargement of the preputial gland is due to retention of secretion.
[Hyperplasia TGLS = 1-13]
[Inflammation TGLS = 1-13]

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 188	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 529
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102098

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Marked
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Preputial Gland Inflammation

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 189	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 582
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Skin		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 189	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 582
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102099

ORGAN AND ACCOUNTABLE SITE STATUS

	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Adenoma	
PRIMARY CAUSE OF DEATH	- Skin Schwannoma Malignant		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 190	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 601
	DOSE: 1250 PPM	**DISP:** Natural Death	**HISTO:** 0102100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Salivary Glands

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
Blood Vessel			
Note: MCL is present in peri-aortic fat.			
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
		Leukemia Mononuclear	
* Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
Eye			
Note: One eye was cannibalized.			
Harderian Gl			
Note: One harderian gland was cannibalized.			
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Necrosis	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 190	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 601
	DOSE: 1250 PPM	**DISP:** Natural Death	**HISTO:** 0102100

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Hyperplasia	Minimal
* Prostate		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 2-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Liver Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 191	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 613
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	Eye
Harderian Gland	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
Blood Vessel	Aorta	Leukemia Mononuclear	
Note: MCL is in peri-aortic fat.			
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
[Hemorrhage TGLS = 8-9]			
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
* Intestine Large, Colon		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney		Accumulation, Hyaline Droplet	Minimal
	Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver	Bile Duct	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 191	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 613
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102101

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
		Necrosis	Minimal
[Leukemia Mononuclear TGLS = 5-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-14]			
[Leukemia Mononuclear TGLS = 4-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-14]			
* Pancreas		Leukemia Mononuclear	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 1-13]			
* Stomach, Glandular		Inflammation	Mild
		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
Tooth		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Brain Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 192	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 617
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Papilla, Transit Epithe	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 1-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Ectasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Mild
Note: There is respiratory epithelial hyperplasia secondary to the nasal inflammation in this animal.			
* Parathyroid Gland		Hyperplasia	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 192	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 617
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102102

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 193	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 1-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 193	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102103

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland		Hyperplasia	Minimal
* Prostate		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 3-13]			
* Stomach, Glandular		Inflammation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 194	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 634
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
Blood Vessel			
Note: There are MCL cells in peri-aortic fat.			
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-16]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 194	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 634
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102104

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-14]			
[Leukemia Mononuclear TGLS = 5-15]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-16]			
Mesentery		Inflammation	Minimal
Note: There is a granuloma in the splenic mesentery.			
* Nose		Inflammation	Moderate
Note: There is moderate hyperplasia of respiratory epithelium secondary to the nasal inflammation.			
* Pancreas		Inflammation	Minimal
* Prostate		Inflammation	Minimal
		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hemorrhage	Moderate
		Leukemia Mononuclear	
[Hemorrhage TGLS = 2-13]			
[Leukemia Mononuclear TGLS = 1-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-11]			
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 195	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 669
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Mammary Gland	* Pancreas
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Skin
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Blood Vessel		Mineralization	Marked
Note: The aorta is mineralized, as are vessels in heart, intestines, kidney, pancreas, prostate, seminal vesicles, and stomach.			
* Heart		Cardiomyopathy	Moderate
		Mineralization	Mild
* Islets, Pancreatic		Adenoma	
* Kidney	Renal Tubule	Cyst	
	Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Minimal
	Cortex	Mineralization	Marked
	Medulla	Mineralization	Mild
		Nephropathy	Marked
[Cyst TGLS = 3-5]			
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Acute, Minimal
		Mineralization	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 195	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 669
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102105

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Prostate		Inflammation	Mild
* Seminal Vesicle		Mineralization	Marked
* Spleen		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Mineralization	Moderate
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Trachea		Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 196	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 662
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Cortex	Mineralization	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 1-5]			
* Liver		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Ectasia	Minimal
	Mediastinal	Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 4-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 5-6]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 196	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 662
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102106

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa	Pharyngeal	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 6-1]			
* Parathyroid Gland		Hyperplasia	Mild
* Spleen		Fibrosis	Moderate
		Pigmentation	Hemosiderin, Minimal
Note: The nodule is an area of stromal hyperplasia coded as fibrosis.			
[Fibrosis TGLS = 3-5]			
* Stomach, Glandular		Mineralization	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 197	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 487
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Necrosis	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 197	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 487
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102107

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Mild
Oral Mucosa	Gingival	Inflammation	Minimal
* Pancreas		Leukemia Mononuclear	
* Preputial Gland		Leukemia Mononuclear	
* Prostate		Inflammation	Minimal
		Leukemia Mononuclear	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Necrosis	Mild
[Leukemia Mononuclear TGLS = 2-13]			
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-11]			
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	
Note: MCL is in peri-thymic fat.			
* Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hyperplasia	Mild
		Leukemia Mononuclear	
* Trachea		Inflammation	Moderate
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 198	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 569
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Marked
* Liver		Degeneration	Cystic, Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
[Hepatodiaphragmatic Nodule TGLS = 1-13]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Deep Cervical	Ectasia	Mild
	Deep Cervical	Infiltration Cellular	Plasma Cell, Minimal
[Ectasia TGLS = 2-14]			
[Infiltration Cellular TGLS = 2-14]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Prostate		Inflammation	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 198	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 569
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102108

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Erosion	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 199	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 641
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Epididymis		Granuloma Sperm	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Cyst	
	Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Cyst TGLS = 5-5]			
[Nephropathy TGLS = 3-5]			
* Liver		Degeneration	Cystic, Minimal
		Fatty Change	Diffuse, Moderate
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
[Fatty Change TGLS = 4-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-13]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 199	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 641
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102109

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 200	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 540
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Fatty Change	Diffuse, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
[Fatty Change TGLS = 4-6+7]			
[Leukemia Mononuclear TGLS = 4-6+7]			
[Necrosis TGLS = 4-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Acute, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-13]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 200	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 540
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102110

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Pituitary Gland		Cyst	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 1-13]			
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-11]			
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 201	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* 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

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 201	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102111

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 202	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* 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

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 1-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 2-8]			
[Angiectasis TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 202	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102112

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Cyst	Mild
	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 203	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 3-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Adenoma	
		Fibroadenoma	
		Galactocele	Marked
[Adenoma TGLS = 1-12]			
[Fibroadenoma TGLS = 2-13]			
[Galactocele TGLS = 2-13]			
* Ovary		Cyst	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 203	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102113

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 204	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-13]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
* Spleen		Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 204	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102114

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 3-14]			
[Inflammation TGLS = 3-14]			
[Pigmentation TGLS = 2-5]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Polyp Stromal	
[Polyp Stromal TGLS = 5-11]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 205	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-13]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
[Adenoma TGLS = 3-8]			
* Skin	Subcut Tiss	Fibroma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 205	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102115

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLS = 1-12]		
* Spleen	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Hemosiderin, Minimal
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 206	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 613
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gl			
Note: One clitoral gland was missing at trim.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	Multiple
Note: There is a fibroadenoma also in the section with clitoral gland.			
[Fibroadenoma TGLS = 1,3-12+13]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Hyperplasia	Minimal
Note: It is likely that the cyst (TGL-2) was removed when the block was faced off.			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 206	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 613
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102116

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 207	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* 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	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Mild
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Fibrosis	Mild
		Inflammation	Chronic Active, Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Moderate

Note: There is moderate tubular dilation in the left kidney secondary to the fibrosis of the medulla and papillary region.

* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 3-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Galactocele	Marked
[Fibroadenoma TGLS = 2-13]			
[Galactocele TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 207	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102117

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-8]		
[Angiectasis TGLS = 4-8]		
* Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Hemosiderin, Minimal
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 208	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-13]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 3-14]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 208	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102118

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Hemosiderin, Minimal
* Thymus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 209	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Moderate
[Angiectasis TGLS = 1-8]			
[Hyperplasia TGLS = 1-8]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 209	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102119

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 210	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 624
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Brain		Hemorrhage	Mild
		Hydrocephalus	Moderate
		Inflammation	Minimal
Note: Cause for the hydrocephalus was not determined but it may be secondary to inflammation.			
[Hydrocephalus TGLS = 2-9]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Deep Cervical	Ectasia	Minimal
	Deep Cervical	Infiltration Cellular	Histiocyte, Minimal
[Ectasia TGLS = 1-12]			
[Infiltration Cellular TGLS = 1-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 210	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 624
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102120

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Mild
* Stomach, Glandular		Ulcer	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Brain Hydrocephalus		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 211	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 634
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
Eye			
Note: TGL-1 eye discoloration is due to debris adherent to the cornea (i.e. artifact).			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-12]			
* Pituitary Gland		Hyperplasia	Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 2-13]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 211	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 634
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102121

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 212	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* 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	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Atrophy	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 213	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 528
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Nose			
Note: There is minimal hyperplasia of respiratory epithelium secondary to the inflammation.			
Oral Mucosa	Gingival	Inflammation	Minimal
* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 213	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 528
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102123

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 214	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Hyperplasia	Mild
		Metaplasia	Squamous, Mild
[Hyperplasia TGLS = 1-11]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,3-12+13]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 214	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102124

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Polyp Stromal	
[Polyp Stromal TGLS = 4-11]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 215	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* 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	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
	Myeloid Cell	Hyperplasia	Minimal
* Clitoral Gland		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 3-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-12+13]			
* Pituitary Gland		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 215	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102125

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 216	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Mild
[Basophilic Focus TGLS = 1-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Mild
[Angiectasis TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 216	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102126

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 217	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Minimal
		Hypertrophy	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Nose		Inflammation	Mild
Note: There is hyperplasia of respiratory epithelium secondary to the nasal inflammation.			
* Ovary		Cyst	
* Pituitary Gland		Angiectasis	Moderate
		Hyperplasia	Marked
[Angiectasis TGLS = 2-8]			
[Hyperplasia TGLS = 2-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 217	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102127

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 218	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 637
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Mild
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pancreas		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 218	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 637
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102128

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Hyperplasia	Adenomatous, Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 219	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 708
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 3-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
Lymph Node	Deep Cervical	Infiltration Cellular	Histiocyte, Mild
	Deep Cervical	Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 4-12]			
[Infiltration Cellular TGLS = 4-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-13+14]			
Mesentery	Fat	Necrosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 219	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 708
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102129

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 5-15]			
* Nose		Inflammation	Moderate
Note: There is mild hyperplasia of respiratory epithelium secondary to the nasal inflammation.			
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Moderate
Note: There is a foreign body (hair) associated with some of the pancreatic inflammation.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 220	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 725
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
		Necrosis	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Heart	Endocardium	Schwannoma Malignant	
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
		Leukemia Mononuclear	
		Necrosis	Minimal
[Basophilic Focus TGLS = 4-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,2-12+13]			
* Pancreas		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 220	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 725
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102130

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 3-8]			
[Angiectasis TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 221	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* 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	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Fibrosis	Marked
	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Pelvis	Inflammation	Moderate
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal

Note: FIBROSIS IS UNILATERAL.
Note: PELVIS INFLAMMATION IS UNILATERAL.
Note: The inflammation in this case extends from the pelvis throughout the medulla and cortex.
Note: PELVIS, TRANSITIONAL EPITHELIAL HYPERPLASIA IS UNILATERAL, ASSOCIATED WITH CHRONIC INFLAMMATION.
[Fibrosis TGLS = 5-5]
[Inflammation TGLS = 5-5]

* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 221	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102131

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Ovary		Cyst	
Note: Cyst is a bursal dilatation.			
[Cyst TGLS = 2-11]			
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 3,4-11]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 222	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland		Squamous Cell Papilloma	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Galactocele	Marked
[Galactocele TGLS = 1,2,3-12+13+14]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
		Hyperplasia	Minimal
Note: Hyperplastic focus is associated with accumulation of secretion.			
[Adenoma TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 222	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102132

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 223	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 673
	DOSE: 0 PPM	**DISP:** Natural Death	**HISTO:** 0102133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Esophagus	Eye
Harderian Gland	* 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	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
* Adrenal Medulla		Leukemia Mononuclear	
		Necrosis	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
	Myeloid Cell	Hyperplasia	Moderate
* Brain		Hemorrhage	Marked
		Leukemia Mononuclear	
[Hemorrhage TGLS = 7-9]			
* Clitoral Gland		Cyst	Minimal
Note: This is a retention cyst.			
[Cyst TGLS = 1-11]			
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Necrosis	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 223	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 673
	DOSE: 0 PPM	**DISP:** Natural Death	**HISTO:** 0102133

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-15]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Galactocele	Marked
[Fibroadenoma TGLS = 2-12]			
[Galactocele TGLS = 4-13]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 5-14]			
* Ovary		Leukemia Mononuclear	
* Pancreas		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 3-5]			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	- Brain Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 224	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 708
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
		Karyomegaly	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
	Myeloid Cell	Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Deep Cervical	Infiltration Cellular	Plasma Cell, Minimal
[Infiltration Cellular TGLS = 2-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 224	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 708
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102134

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 225	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Necrosis	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Ovary			
Note: TGL-3 (Cyst) observed grossly may have been a dilated ovarian bursa. Both ovaries are normal microscopically.			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
[Adenoma TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 225	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102135

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Polyp Stromal	

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 226	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
		Necrosis	Minimal
[Basophilic Focus TGLS = 1-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 226	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102136

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 227	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hematopoietic Cell Proliferation	Minimal
* Bone			
Note: There is periosteal new bone formation around the femorotibial joint.			
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
		Necrosis	Minimal
[Basophilic Focus TGLS = 1-6+7]			
[Necrosis TGLS = 1-6+7]			
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 227	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102137

ORGAN AND ACCOUNTABLE SITE STATUS

Note: There is squamous metaplasia within the adenoma.			
[Alveolar/Bronchiolar Adenoma TGLS = 2-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Marked
[Hyperplasia TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 228	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* 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	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3-12+13+14]			
* Pituitary Gland		Angiectasis	Mild
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 4-15]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 229	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 724
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Necrosis	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
		Necrosis	Moderate
Blood Vessel	Aorta	Leukemia Mononuclear	
Note: MCL is in peri-aortic fat.			
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Brain		Leukemia Mononuclear	
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-13]			
Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
[Hepatodiaphragmatic Nodule TGLS = 5-12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 229	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 724
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102139

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-6+7+12]			
[Necrosis TGLS = 4-6+7+12]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-14]			
Mesentery		Leukemia Mononuclear	
Note: MCL formed a nodular mass in the mesentery near the pancreas.			
[Leukemia Mononuclear TGLS = 8-15]			
* Ovary		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Marked
		Leukemia Mononuclear	
* Pituitary Gland		Hyperplasia	Mild
		Leukemia Mononuclear	
* Spleen		Infarct	Marked
		Leukemia Mononuclear	
[Infarct TGLS = 3-5]			
[Leukemia Mononuclear TGLS = 2-5]			
* Thymus		Leukemia Mononuclear	
Note: MCL has obliterated and replaced the thymus.			
[Leukemia Mononuclear TGLS = 6-16]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 230	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 724
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
		Hypertrophy	Minimal
* Bone Marrow		Myelofibrosis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Mild
		Necrosis	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 6-16]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4,5-12+13]			
Oral Mucosa	Gingival	Inflammation	Minimal
* Ovary		Cyst	
* Pituitary Gl			
Note: The grossly-observed white focus (TGL-3) is accumulated secretion (i.e. a pseudocyst, not a lesion).			
* Skin	Subcut Tiss	Fibroma	
		Keratoacanthoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 230	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 724
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102140

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLS = 1-14]			
[Keratoacanthoma TGLS = 2-15]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	- Skin Subcut Tiss Fibroma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 231	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Inflammation	Chronic Active, Mild
[Basophilic Focus TGLS = 1-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Marked
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Ovary		Cyst	
* Pancreas		Inflammation	Minimal
* Pituitary Gland		Cyst	Minimal
		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 231	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102141

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 232	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gl			
Note: TGL-2, enlarged clitoral gland, was missing at trim.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Mild
[Basophilic Focus TGLS = 3-6+7]			
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 4-14]			
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 232	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102142

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 233	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* 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	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Galactocele	Marked
[Fibroadenoma TGLS = 1-12]			
[Galactocele TGLS = 2-13]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 5-8]			
[Angiectasis TGLS = 5-8]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 3-14]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 233	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102143

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 234	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 724
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* 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	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Mild
		Necrosis	Minimal
[Hepatodiaphragmatic Nodule TGLS = 1-13]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Deep Cervical	Hemorrhage	Mild
	Deep Cervical	Infiltration Cellular	Histiocyte, Mild
[Hemorrhage TGLS = 2-12]			
[Infiltration Cellular TGLS = 2-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4-6]			
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Cyst	
* Pancreas		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 234	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 724
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102144

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
[Adenoma TGLS = 3-8]			
[Angiectasis TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Mild
* Stomach, Forestomach		Inflammation	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 235	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Mild
[Hepatodiaphragmatic Nodule TGLS = 2-12]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactocele	Marked
[Galactocele TGLS = 1-14]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 3-13]			
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 235	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102145

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Polyp Stromal	
[Hyperplasia TGLS = 4-11]			
[Polyp Stromal TGLS = 4-11]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 236	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Diffuse, Minimal
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6+7]			
[Fatty Change TGLS = 2-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
[Adenoma TGLS = 1-8]			
[Angiectasis TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 236	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102146

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Marked
PRIMARY CAUSE OF DEATH -		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 237	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 697
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
	Myeloid Cell	Hyperplasia	Minimal
* Clitoral Gland		Adenoma	
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Necrosis	Mild
[Fatty Change TGLS = 4-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 2-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 237	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 697
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102147

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
[Adenoma TGLS = 1-8]			
[Angiectasis TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 3-5]			
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 238	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* 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	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone Marrow		Myelofibrosis	Minimal
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-13]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 238	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102148

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 239	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* 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
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Necrosis	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
* Clitoral Gland		Cyst	Mild
Note: This is a retention cyst (accumulation of secretion).			
[Cyst TGLS = 2-12]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Moderate
		Necrosis	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 239	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102149

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Moderate
* Urinary Bladder	Inflammation	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 240	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* 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	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hematopoietic Cell Proliferation	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Mild
[Basophilic Focus TGLS = 2-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland		Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 240	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102150

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 241	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
* Clitoral Gland	Bilateral	Adenoma	
		Inflammation	Moderate
[Adenoma TGLS = 1-12]			
[Inflammation TGLS = 1-12]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-13]			
Oral Mucosa	Gingival	Inflammation	Minimal
* Pituitary Gland		Angiectasis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 241	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102151

ORGAN AND ACCOUNTABLE SITE STATUS

		Hyperplasia	Moderate
* Salivary Glands		Basophilic Focus	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 242	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* 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

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Inflammation	Granulomatous, Mild
* Clitoral Gland		Hyperplasia	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 2-12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 242	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102152

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Inflammation	Minimal
Note: Inflammation in this case is associated with crystals interpreted to be hemoglobin-derived.			
[Inflammation TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 243	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 543
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Brain		Mineralization	Mild
Eye	Iris	Melanoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
[Adenoma TGLS = 1-8]			
[Angiectasis TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 243	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 543
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102153

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 244	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 288
	DOSE: 0 PPM	**DISP:** Natural Death	**HISTO:** 0102154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Spleen

OBSERVATIONS

* Clitoral Gl			
Note: One clitoral gland missing at trim.			
* Liver		Fatty Change	Diffuse, Moderate
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Adenoma	
		Inflammation	Moderate
Note: Necrosis and inflammation of the tumor are the likely proximate cause of death.			
[Adenoma TGLS = 1-12]			
[Inflammation TGLS = 1-12]			
Skeletal Muscle		Inflammation	Moderate
Note: Muscle adjacent to mammary mass is moderately inflamed.			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 245	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 358
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
Oral Mucosa	Gingival	Inflammation	Moderate
Note: This animal died from malocclusion (peridontal/gingival inflammation is likely secondary but malocclusion is not an available diagnosis in TDMS).			
* Pituitary Gland		Cyst	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Oral Mucosa Gingival Inflammation

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 246	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
[Basophilic Focus TGLS = 1-6+7]			
[Mixed Cell Focus TGLS = 1-6+7]			
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Marked
[Angiectasis TGLS = 2-8]			
[Hyperplasia TGLS = 2-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 246	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102156

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 247	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 724
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 3-8]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Inflammation	Mild
		Metaplasia	Mucous, Moderate
[Inflammation TGLS = 2-6+13]			
[Metaplasia TGLS = 2-6+13]			
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Mild
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 4-13]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Deep Cervical	Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 5-14]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 7-6]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 247	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 724
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102157

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Galactocele	Minimal
Note: Dilated ducts present in section adjacent to clitoral gland.			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 6-15]			
* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
Note: The neoplasm has entrapped mammary glands on one edge, where the mitotic index is high.			
[Fibrosarcoma TGLS = 1-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Mild
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	- Skin Subcut Tiss Fibrosarcoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 248	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Mild
		Necrosis	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 248	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102158

ORGAN AND ACCOUNTABLE SITE STATUS

	Polyp Stromal
PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 249	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 430
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
		Necrosis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Mild
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Infiltration Cellular	Plasma Cell, Minimal
[Infiltration Cellular TGLS = 2-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
[Adenoma TGLS = 1-8]			
[Angiectasis TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 249	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 430
	DOSE: 0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102159

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 250	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
Blood Vessel			
Note: There is a slight mononuclear cell infiltrate in peri-aortic fat.			
* Clitoral Gland		Cyst	Marked
		Inflammation	Moderate
Note: This is a retention cyst with inflammation.			
[Cyst TGLS = 3-13]			
[Inflammation TGLS = 3-13]			
Eye	Lens	Cataract	Moderate
	Retina	Degeneration	Marked
		Inflammation	Minimal
Note: The inflammation is probably secondary to the cataract and loss of lens protein.			
[Cataract TGLS = 1-10]			
[Inflammation TGLS = 1-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 250	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102160

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Chronic Active, Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 4-8]			
[Angiectasis TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 251	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* 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	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
* Clitoral Gland		Cyst	Mild
		Inflammation	Mild
Note: Enlargement is predominantly due to retention of secretion ("retention cyst").			
[Cyst TGLS = 2-11]			
[Inflammation TGLS = 2-11]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Marked
	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,4-12+13]			
* Ovary		Cyst	
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 251	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102161

ORGAN AND ACCOUNTABLE SITE STATUS

		Angiectasis	Marked
[Adenoma TGLS = 3-8]			
[Angiectasis TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 252	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
[Basophilic Focus TGLS = 1-6+7]			
[Eosinophilic Focus TGLS = 1-6+7]			
[Hepatodiaphragmatic Nodule TGLS = 2-12]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	
* Pituitary Gland		Hyperplasia	Moderate
Skeletal Muscle		Inflammation	Minimal
Note: Inflammation is in the section with mammary gland.			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 252	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102162

ORGAN AND ACCOUNTABLE SITE STATUS

	Pigmentation	Hemosiderin, Minimal
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 253	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 2-8]			
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Angiectasis	Moderate
		Hyperplasia	Moderate
[Angiectasis TGLS = 3-8]			
[Hyperplasia TGLS = 3-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 253	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102163

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 254	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 2-12]			
* Ovary		Cyst	
Note: Cyst is a bursal dilatation.			
[Cyst TGLS = 1-13]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 254	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102164

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-8]			
[Angiectasis TGLS = 3-8]			
* Spleen	Lymph Follic	Atrophy	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 255	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Cortex	Mineralization	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 1-12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 255	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102165

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 256	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 633
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
Eye			
Note: Optic nerves are missing at trim.			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 2-13]			
[Mixed Cell Focus TGLS = 4-14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Adenoma	
Note: Mammary tissue on slide 11 also has an adenoma, which may be part of TGL-1.			
[Adenoma TGLS = 1-12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 256	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 633
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102166

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
[Adenoma TGLS = 3-8]			
[Angiectasis TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 257	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland		Hyperplasia	Mild
Eye			
Note: Optic nerves were missing at trim.			
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Adenoma	
		Fibroadenoma	
[Adenoma TGLS = 2-13]			
[Fibroadenoma TGLS = 1-12]			
Oral Mucosa	Gingival	Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 257	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102167

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
		Hyperplasia	Marked
[Adenoma TGLS = 3-8]			
[Angiectasis TGLS = 3-8]			
[Hyperplasia TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 258	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Carcinoma TGLS = 2-13]			
[Fibroadenoma TGLS = 1-12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-14]			
* Ovary		Cyst	
Note: Cyst is a bursal dilatation.			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 258	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102168

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 4-11]			
* Pituitary Gland		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Polyp Stromal	
[Polyp Stromal TGLS = 5-11]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 259	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 725
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Pancreatic	Hemorrhage	Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Mild
	Pancreatic	Pigmentation	Hemosiderin, Moderate
[Hemorrhage TGLS = 2-14]			
[Pigmentation TGLS = 2-14]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 259	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 725
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102169

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,3-12+13]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 4-8]			
[Angiectasis TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 260	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* 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
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Galactocele	Marked
[Galactocele TGLS = 2-13]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 1-12]			
* Pituitary Gland		Angiectasis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 260	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102170

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 3-11]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 261	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Necrosis	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Eosinophilic Focus TGLS = 4-14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
Mesentery	Fat	Necrosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 261	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102171

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 3-13]			
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 2-13]			
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 262	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 653
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Clitoral Gland	* Esophagus
Harderian Gland	* 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	* Thyroid Gland
* Trachea	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
		Necrosis	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
	Myeloid Cell	Hyperplasia	Moderate
* Brain		Leukemia Mononuclear	
		Necrosis	Minimal
Eye	Retina	Degeneration	Minimal
* Heart		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
		Infarct	
		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Necrosis	Minimal

[Leukemia Mononuclear TGLS = 5-6+7]

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 262	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 653
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102172

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3+4]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-14]			
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 1-8]			
[Leukemia Mononuclear TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 2-12]			
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	
Note: MCL is also in peri-thymic fat.			
[Leukemia Mononuclear TGLS = 6-3]			
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 263	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* 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	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
* Pituitary Gland		Hyperplasia	Minimal
* Skin		Lipoma	
[Lipoma TGLS = 3-13]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 263	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102173

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 264	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 613
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	Minimal
[Thrombosis TGLS = 5-7+14]			
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Marked
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
[Fatty Change TGLS = 2-6+7]			
[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Renal	Infiltration Cellular	Histiocyte, Moderate
	Deep Cervical	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Infiltration Cellular TGLS = 3-12]			
[Leukemia Mononuclear TGLS = 3-12]			
[Leukemia Mononuclear TGLS = 4-13]			
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 264	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 613
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102174

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 1-5]			
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Liver Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 265	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart			
Note: There is a focus of ectopic C-cells at the atrioventricular junction.			
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Acute, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-12]			
Oral Mucosa	Gingival	Inflammation	Minimal
* Pancreas		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 2-8]			
[Angiectasis TGLS = 2-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 265	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102175

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 266	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Minimal
		Hyperplasia	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
[Hepatodiaphragmatic Nodule TGLS = 2-12]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 266	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102176

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 1-8]		
* Spleen	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Hemosiderin, Minimal
* Thymus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 267	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
[Basophilic Focus TGLS = 3-6+7]			
[Hepatodiaphragmatic Nodule TGLS = 2-12]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 5-6]			
* Mammary Gland		Fibroadenoma	
Note: TGL-1 fibroadenoma has many secretion-filled compartments.			
[Fibroadenoma TGLS = 1-13]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Angiectasis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 267	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102177

ORGAN AND ACCOUNTABLE SITE STATUS

	Hyperplasia	Moderate
[Angiectasis TGLS = 4-8]		
[Hyperplasia TGLS = 4-8]		
* Spleen	Pigmentation	Hemosiderin, Minimal
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 268	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	* 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	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
* Ovary		Cyst	
Note: Cyst is a bursal dilatation.			
[Cyst TGLS = 2-12]			
* Pituitary Gland		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 268	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102178

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Moderate
* Trachea	Inflammation	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 269	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* 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	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
		Inflammation	Granulomatous, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Pancreatic	Hemorrhage	Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Mild
	Pancreatic	Pigmentation	Hemosiderin, Moderate
[Hemorrhage TGLS = 4-14]			
[Infiltration Cellular TGLS = 4-14]			
[Pigmentation TGLS = 4-14]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 269	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102179

ORGAN AND ACCOUNTABLE SITE STATUS

		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
[Adenoma TGLS = 5-8]			
[Angiectasis TGLS = 5-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
		Inflammation	Granulomatous, Marked
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Inflammation TGLS = 2,3-12+13]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicle	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 270	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus
MISSING			
* Lymph Node, Mandibular	* Thymus		
OBSERVATIONS			
* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-13]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pancreas		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 271	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 693
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	Ear	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,3-13+14]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 2-12]			
* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 271	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 693
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102181

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked
* Uterus	Serosa	Inflammation	Granulomatous, Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 272	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 697
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	* 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	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
[Hyperplasia TGLS = 3-8]			
[Vacuolization Cytoplasmic TGLS = 3-8]			
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-13]			
* Ovary		Cyst	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 272	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 697
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102182

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 273	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* 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	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
[Basophilic Focus TGLS = 3-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Moderate
[Angiectasis TGLS = 1-8]			
[Hyperplasia TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 273	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102183

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Moderate
* Uterus	Polyp Stromal	
[Polyp Stromal TGLS = 2-12]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 274	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Clitoral Gland
* Esophagus	Eye	Harderian Gland	* 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	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Minimal
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Brain		Hemorrhage	Minimal
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Marked
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Moderate
[Hepatocellular Carcinoma TGLS = 2-6+7]			
[Leukemia Mononuclear TGLS = 2-6+7]			
[Necrosis TGLS = 2-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 274	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102184

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-13]			
* Ovary		Leukemia Mononuclear	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 1-12]			
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Minimal
* Thymus		Atrophy	Marked
Note: MCL is in peri-thymic fat.			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 275	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* 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		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
[Basophilic Focus TGLS = 3-6+7+14]			
[Mixed Cell Focus TGLS = 4-14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Acute, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLS = 2-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 275	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102185

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 1-12]			
* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Moderate
[Angiectasis TGLS = 5-8]			
[Hyperplasia TGLS = 5-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 276	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
Eye			
Note: Optic nerves were missing at trim.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-12]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Minimal
Note: There is mild hyperplasia of respiratory epithelium secondary to the nasal inflammation.			
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
[Adenoma TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 276	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102186

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Adenomatous, Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 3-11]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 277	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* 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	* Trachea

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 1-12]			
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 277	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102187

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Serosa	Inflammation	Granulomatous, Minimal
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 278	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* 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	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
[Clear Cell Focus TGLS = 2-13]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-14]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-12]			
* Ovary		Cyst	
	Interstit Cell	Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 278	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102188

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Thymoma Malignant	
[Thymoma Malignant TGLS = 3-3]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 279	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 697
	DOSE: 312 PPM	**DISP:** Natural Death	**HISTO:** 0102189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
* Esophagus		Inflammation	Mild
	Periesoph Tiss	Necrosis	Fatty, Mild
Note: Mass is a region of periesophageal fat necrosis with mild inflammation.			
[Necrosis TGLS = 4-14]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Mild
[Basophilic Focus TGLS = 5-15]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 3-13]			
* Pancreas		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 279	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 697
	DOSE: 312 PPM	**DISP:** Natural Death	**HISTO:** 0102189

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-8]			
[Angiectasis TGLS = 1-8]			
* Spleen	Lymph Follic	Atrophy	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked
* Trachea		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 280	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Vacuolization Cytoplasmic	Minimal
Eye	Lens	Cataract	Mild
	Retina	Degeneration	Marked
		Inflammation	Moderate
Note: Eye is mildly phthisic. Inflammation may be due to protein leakage from the cataract.			
[Inflammation TGLS = 1-10]			
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
* Pituitary Gland		Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 280	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102190

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 281	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Harderian Gland	* 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
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-13]			
Eye	Retina	Dysplasia	Mild
Note: There is proliferation of the nerve fiber layer over the optic disc in one eye.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 281	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102191

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Moderate
* Trachea	Inflammation	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 282	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* 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	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-12]			
Oral Mucosa	Gingival	Inflammation	Minimal
* Ovary		Cyst	
Note: Although minimal evidence of the cyst is present, it probably represents dilated ovarian bursa similar to the other animals with this diagnosis.			
[Cyst TGLS = 1-11]			
* Pituitary Gland		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 282	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102192

ORGAN AND ACCOUNTABLE SITE STATUS

	Pigmentation	Hemosiderin, Minimal
* Thymus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 283	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Necrosis	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-12]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Marked
[Angiectasis TGLS = 3-8]			
[Hyperplasia TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 283	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102193

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 2-5]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 284	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Eye			
Note: The optic nerves were missing at trim.			
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
[Adenoma TGLS = 1-8]			
[Angiectasis TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 284	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102194

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 285	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* 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
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hematopoietic Cell Proliferation	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
[Clear Cell Focus TGLS = 3-14]			
[Eosinophilic Focus TGLS = 3-14]			
[Hepatodiaphragmatic Nodule TGLS = 2-13]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 285	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102195

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 1-12]			
Oral Mucosa	Gingival	Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 4-8]			
[Angiectasis TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 286	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Minimal
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum		Inflammation	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-12]			
Oral Mucosa	Gingival	Inflammation	Minimal
* Pituitary Gland		Angiectasis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 286	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102196

ORGAN AND ACCOUNTABLE SITE STATUS

		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 2-11]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 287	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 710
	DOSE: 312 PPM	**DISP:** Natural Death	**HISTO:** 0102197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* 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	* Trachea

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Minimal
		Necrosis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
	Myeloid Cell	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
[Leukemia Mononuclear TGLS = 7-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-16]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 287	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 710
	DOSE: 312 PPM	**DISP:** Natural Death	**HISTO:** 0102197

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-15]			
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Mild
		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Infiltration Cellular TGLS = 5-6]			
[Leukemia Mononuclear TGLS = 5-6]			
* Mammary Gland		Fibroadenoma	
		Galactocele	Marked
[Fibroadenoma TGLS = 6-14]			
[Galactocele TGLS = 2-12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 9-15]			
* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Moderate
[Angiectasis TGLS = 1-8]			
[Hyperplasia TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 3,4-13]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 288	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 609
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Thyroid Gland	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
	Myeloid Cell	Hyperplasia	Minimal
Eye			
Note: Optic nerves were missing at trim.			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Inflammation	Moderate
* Intestine Large, Rectum		Ulcer	Moderate
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Mild
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Mild
		Necrosis	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Oral Mucosa	Gingival	Inflammation	Mild
* Pituitary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
* Spleen	Lymph Follic	Atrophy	Moderate
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 288	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 609
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102198

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Hyperplasia	Squamous, Mild
	Inflammation	Mild
	Ulcer	Moderate
* Stomach, Glandular	Erosion	Mild
* Thymus	Atrophy	Marked
* Trachea	Inflammation	Mild
Vagina	Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1-12]		

PRIMARY CAUSE OF DEATH - Vagina Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 289	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Galactocele	Moderate
[Galactocele TGLS = 1-12]			
* Pituitary Gland		Angiectasis	Moderate
		Cyst	Mild
		Hyperplasia	Moderate
[Angiectasis TGLS = 2-8]			
[Hyperplasia TGLS = 2-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 289	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102199

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Lymph Follic	Atrophy	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 290	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* 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
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Inflammation	Minimal
* Ovary		Cyst	
Note: Cyst is a bursal dilatation.			
[Cyst TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 1-8]			
[Angiectasis TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 290	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102200

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	Follicle	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 291	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Necrosis	Moderate
		Vacuolization Cytoplasmic	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
Oral Mucosa	Gingival	Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 291	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102201

ORGAN AND ACCOUNTABLE SITE STATUS

	Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 1-5]		
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 292	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* 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
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 2-6+7]			
[Clear Cell Focus TGLS = 2-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Ovary		Cyst	
* Pituitary Gland		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 292	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102202

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 293	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Cyst	Moderate
		Inflammation	Moderate
Note: Most of the enlargement of the clitoral glands in this animal is due to retention of secretion (diagnosed as "cyst").			
[Cyst TGLS = 2-12]			
[Inflammation TGLS = 2-12]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-13]			
* Ovary		Cyst	
Note: Cyst is a bursal dilatation.			
[Cyst TGLS = 4-11]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 293	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102203

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Angiectasis	Moderate
		Hyperplasia	Minimal
[Angiectasis TGLS = 1-8]			
[Hyperplasia TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 294	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Clitoral Gland
* Esophagus	Eye	Harderian Gland	* 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	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Brain		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6+7]			
[Clear Cell Focus TGLS = 2-6+7]			
[Mixed Cell Focus TGLS = 2-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal
[Hyperplasia TGLS = 1-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 294	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102204

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 295	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 690
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Moderate
		Necrosis	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 2-14]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-15]			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 1-12+13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen	Lymph Follic	Atrophy	Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 295	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 690
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102205

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Marked
* Uterus	Polyp Stromal	

PRIMARY CAUSE OF DEATH - Oral Mucosa Gingival Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 296	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 725
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	Eye	Harderian Gland	* 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	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Necrosis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Moderate
[Angiectasis TGLS = 2-8]			
[Hyperplasia TGLS = 2-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 296	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 725
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102206

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 297	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 613
	DOSE: 312 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
[Adenoma TGLS = 1-12]			
[Angiectasis TGLS = 1-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 298	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
* Clitoral Gland	Bilateral	Adenoma	
[Adenoma TGLS = 2-11]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 298	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102208

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-8]		
[Angiectasis TGLS = 3-8]		
* Spleen	Hematopoietic Cell Proliferation	Minimal
	Leukemia Mononuclear	
	Pigmentation	Hemosiderin, Minimal
* Thymus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 299	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* 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	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-12+13]			
* Ovary		Cyst	
Note: Cyst is a bursal dilatation.			
[Cyst TGLS = 4-15]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 299	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102209

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-14]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 300	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* 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
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Ovary		Cyst	
* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Mild
[Angiectasis TGLS = 2-8]			
[Hyperplasia TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 300	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 312 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102210

ORGAN AND ACCOUNTABLE SITE STATUS

	Pigmentation	Hemosiderin, Minimal
* Thymus	Atrophy	Marked
* Uterus	Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 301	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 528
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pituitary Gland	* Stomach, Forestomach	* Trachea
* Uterus			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Histiocytic Sarcoma	
	Erythroid Cell	Hyperplasia	Mild
	Myeloid Cell	Hyperplasia	Mild
* Clitoral Gland		Histiocytic Sarcoma	
* Esophagus		Histiocytic Sarcoma	
Eye		Histiocytic Sarcoma	
* Heart		Histiocytic Sarcoma	
* Kidney		Accumulation, Hyaline Droplet	Moderate
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 2-6+7]			
* Lung		Histiocytic Sarcoma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Mild
Note: Some of the granulomatous inflammation in this lung is associated with eosinophilic crystals.			
[Histiocytic Sarcoma TGLS = 3-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Histiocytic Sarcoma	
* Ovary		Histiocytic Sarcoma	
* Pancreas	Acinus	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 301	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 528
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102211

ORGAN AND ACCOUNTABLE SITE STATUS

	Inflammation	Minimal
* Salivary Glands	Histiocytic Sarcoma	
Skeletal Muscle	Histiocytic Sarcoma	
* Skin	Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 1-12]		
* Spleen	Hematopoietic Cell Proliferation	Moderate
	Pigmentation	Hemosiderin, Minimal
* Stomach, Glandular	Histiocytic Sarcoma	
* Thymus	Histiocytic Sarcoma	
Note: Histiocytic Sarcoma metastases are within peri-thymic fat.		
* Thyroid Gland	Histiocytic Sarcoma	
* Urinary Bladder	Histiocytic Sarcoma	

PRIMARY CAUSE OF DEATH - Skin Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 302	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 4-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Mild
[Angiectasis TGLS = 2-8]			
[Hyperplasia TGLS = 2-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 302	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102212

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	

Note: This polyp has more numerous glands than usual, and abundant stromal cells whorling about them.
[Hyperplasia TGLS = 3-13]
[Polyp Stromal TGLS = 3-13]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 303	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
Eye			
Note: Optic nerves are not in section.			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
Note: NO CORRELATING LESION FOR TGLS 1-12.			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Inflammation	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 303	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102213

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 304	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Marked
		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
[Basophilic Focus TGLS = 4-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Minimal
	Mediastinal	Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 6-12]			
[Infiltration Cellular TGLS = 6-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 5-6]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-13]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 304	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102214

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Moderate
[Angiectasis TGLS = 1-8]			
[Hyperplasia TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
Tooth		Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	
[Hyperplasia TGLS = 2-11]			
[Polyp Stromal TGLS = 2-11]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 305	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 662
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Moderate
	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Infarct	
	Pelvis	Inflammation	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 3-14]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-12+13]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 305	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 662
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102215

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Stomach, Glandular	Epithelium	Atrophy	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 306	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
[Hepatodiaphragmatic Nodule TGLS = 4-14]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-13]			
* Ovary		Cyst	
Note: Cyst is a bursal dilatation.			
[Cyst TGLS = 2-12]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 306	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102216

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 307	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 709
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	Ear	* Esophagus	Eye
Harderian Gland	* 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
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 5-6+7]			
[Mixed Cell Focus TGLS = 5-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
Lymph Node	Axillary, Right	Ectasia	Moderate
	Axillary, Right	Infiltration Cellular	Plasma Cell, Marked
Note: Plasma cell infiltrate and ectasia are within the axillary lymph node (TGL-7); axillary lymph node is not an available site in TDMS, so this cannot be traced.			
[Ectasia TGLS = 7-15]			
[Infiltration Cellular TGLS = 7-15]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 307	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 709
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102217

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Adenoma	
		Carcinoma	
		Fibroadenoma	
		Galactocele	Marked
Note: This tumor, coded as a carcinoma, has a prominent spindloid cell morphology ("carcinosarcoma"-like).			
[Adenoma TGLS = 1-12]			
[Carcinoma TGLS = 1-12]			
[Fibroadenoma TGLS = 3-14]			
[Galactocele TGLS = 2-13]			
* Ovary		Cyst	
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 6-8]			
[Angiectasis TGLS = 6-8]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Hematopoietic Cell Proliferation TGLS = 4-5]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Carcinoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 308	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Brain		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 1-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 308	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102218

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Moderate
* Trachea	Inflammation	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 309	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
		Hypertrophy	Minimal
Eye			
Note: Optic nerves not in section.			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Pelvis	Inflammation	Mild
	Cortex	Mineralization	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 1-5]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 309	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102219

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 2-8]			
[Angiectasis TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 310	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 644
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* 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
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Necrosis	Minimal
Note: TGL-1 mass is due to hemorrhage within an area of necrosis secondary to MCL.			
[Leukemia Mononuclear TGLS = 2-6+7]			
[Necrosis TGLS = 1,2-6+7+12]			
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 310	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 644
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102220

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 6-6]			
* Nose		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 5-8]			
[Angiectasis TGLS = 5-8]			
* Skin	Subcut Tiss	Necrosis	Mild
Note: TGL-3, apparent clitoral gland enlargement and discoloration, is due to necrosis of subcutaneous fat (within the mammary fat pad).			
[Necrosis TGLS = 3-13]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Inflammation	Minimal
* Stomach, Glandular		Erosion	Mild
		Inflammation	Mild
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	
Note: MCL is also in peri-thymic fat.			
* Thyroid Gland		Leukemia Mononuclear	
Note: MCL is in peri-thyroid fat.			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	- Liver Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 311	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	Ear
* Esophagus	Harderian Gland	* Intestine Large, Cecum	* 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	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Eye	Lens	Cataract	Mild
	Retina	Degeneration	Marked
		Inflammation	Minimal
[Cataract TGLS = 1-10]			
[Degeneration TGLS = 1-10]			
[Inflammation TGLS = 1-10]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Kidney		Accumulation, Hyaline Droplet	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 311	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102221

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLS = 2-12]		
Skeletal Muscle	Rhabdomyosarcoma	
Note: Trichrome stained cells within the mass as muscle, however, collagen was also moderately abundant.		
Note: Trichrome stain was considered equivocal to slightly supporting the diagnosis of rhabdomyosarcoma.		
Note: PTAH highlighted cross-striations in many degenerating fibers but also in occasional tumor cells.		
[Rhabdomyosarcoma TGLS = 3-13]		
* Spleen	Leukemia Mononuclear	
	Pigmentation	Hemosiderin, Minimal
* Thymus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 312	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	* 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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose			
Note: There is a foreign body associated with the nasal inflammation.			
* Pituitary Gland		Angiectasis	Moderate
		Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 1-11]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 312	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102222

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 313	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose		Inflammation	Mild

Note: There is respiratory epithelial hyperplasia secondary to the nasal inflammation. A foreign body (hair) is associated with the inflammation.

* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Minimal
[Angiectasis TGLS = 1-8]			
[Hyperplasia TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 313	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102223

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Marked
PRIMARY CAUSE OF DEATH -		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 314	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* 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
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 314	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102224

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 315	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Alveolar/Bronchiolar Adenoma TGLS = 3-4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-12+13]			
* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 315	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102225

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 316	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Necrosis	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
Blood Vessel	Aorta	Leukemia Mononuclear	
Note: MCL is in peri-aortic fat.			
* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
	Myeloid Cell	Hyperplasia	Mild
Eye	Retina	Degeneration	Mild
Note: One retina is detached.			
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 316	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102226

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Minimal
		Leukemia Mononuclear	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 1-12]			
* Thymus		Atrophy	Marked
Note: MCL is in peri-thymic fat.			
* Urinary Bladder		Leukemia Mononuclear	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	
[Polyp Stromal TGLS = 2-13]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 317	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	Eye
Harderian Gland	* Intestine Large, Colon	* 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

* Lymph Node, Mandibular	* Thymus

OBSERVATIONS

* Clitoral Gland		Adenoma	
		Inflammation	Moderate

Note: Mass in the clitoral gland is actually a small squamous cell papilloma (not an available diagnosis in TDMS).
Note: One clitoral gland was missing at trim.
[Adenoma TGLS = 1-12]
[Inflammation TGLS = 1-12]

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Mineralization	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Pelvis	Inflammation	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 317	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102227

ORGAN AND ACCOUNTABLE SITE STATUS

[Hepatodiaphragmatic Nodule TGLS = 3-13]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Ovary		Cyst	
Note: Cyst is a bursal dilatation.			
[Cyst TGLS = 2-11]			
* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 318	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 699
	DOSE: 625 PPM	**DISP:** Natural Death	**HISTO:** 0102228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Clitoral Gland		Atrophy	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Minimal
[Fatty Change TGLS = 1-6+7]			
[Hyperplasia TGLS = 1-6+7]			
[Leukemia Mononuclear TGLS = 1-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 318	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 699
	DOSE: 625 PPM	**DISP:** Natural Death	**HISTO:** 0102228

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 319	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Intestine Small, Jejunum		Inflammation	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-13]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 2-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 319	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102229

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 320	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* 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	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Adenoma	
* Pituitary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 320	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102230

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 1-11]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 321	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
MISSING			
* Lymph Node, Mandibular	* Thymus		
OBSERVATIONS			
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Moderate
[Angiectasis TGLS = 1-8]			
[Hyperplasia TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 322	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
Note: There is a small focus of cells in tubular arrangements extracapsularly; it resembles ectopic parathyroid tissue.			
* Clitoral Gland		Cyst	Moderate
		Inflammation	Moderate
Note: Much of TGL-1 clitoral enlargement is due to retention of secretion, diagnosed as "cyst".			
[Cyst TGLS = 1-11]			
[Inflammation TGLS = 1-11]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Mild
		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
[Angiectasis TGLS = 5-6+7]			
[Basophilic Focus TGLS = 5-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 322	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102232

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Marked
[Fibroadenoma TGLS = 3,4-13+14]			
[Galactocele TGLS = 2-12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 6-15]			
* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Moderate
[Angiectasis TGLS = 7-8]			
[Hyperplasia TGLS = 7-8]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 323	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* 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

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Hyperplasia	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 324	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* 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	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Necrosis	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	

Note: There are regenerative changes secondary to the MCL in the liver, which mimic hepatocellular hypertrophy.
[Hepatodiaphragmatic Nodule TGLS = 3-13]

* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
Mesentery	Fat	Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 324	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102234

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 4-14]			
* Ovary		Cyst	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 2-5]			
* Thymus		Atrophy	Marked
Note: MCL is in peri-thymic fat.			
* Urinary Bladder		Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 325	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Mixed Cell Focus	
[Basophilic Focus TGLS = 1-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Spleen		Accessory Spleen	
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
[Accessory Spleen TGLS = 2-12]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 326	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
	Myeloid Cell	Hyperplasia	Mild
* Clitoral Gland		Adenoma	
		Carcinoma	
[Adenoma TGLS = 2-12]			
[Carcinoma TGLS = 1-12]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 5-6]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 326	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102236

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 5-6]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-13]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-11]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 327	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	Harderian Gland	* 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	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
		Necrosis	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
[Adenoma TGLS = 2-8]			
[Angiectasis TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 327	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102237

ORGAN AND ACCOUNTABLE SITE STATUS

	Pigmentation	Hemosiderin, Minimal
* Thymus Note: MCL is in peri-thymic fat.		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 328	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
MISSING			
* Lymph Node, Mandibular	* Parathyroid Gland		
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Cystic, Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Cyst	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 329	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 633
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Clitoral Gland	* Esophagus
Eye	Harderian Gland	* 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	* Stomach, Forestomach	* Trachea
* Urinary Bladder	Zymbal's Gland		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
		Necrosis	Mild
* Brain		Gliosis	Minimal
		Hemorrhage	Minimal
Eye			
Note: The optic nerves were not present at trim.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Marked
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
[Fatty Change TGLS = 1-6+7]			
[Leukemia Mononuclear TGLS = 1-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 329	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 633
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102239

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Nose		Thrombosis	Mild
* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Moderate
[Angiectasis TGLS = 4-8]			
[Hyperplasia TGLS = 4-8]			
* Skin		Cyst Epithelial Inclusion	Minimal
[Cyst Epithelial Inclusion TGLS = 2-12]			
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Stomach, Glandular		Inflammation	Minimal
* Thymus		Atrophy	Marked
Note: MCL is in peri-thymic fat.			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
Note: The vessels in the mass are thrombosed and the mass inflamed.			
[Polyp Stromal TGLS = 6-11]			

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 330	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 679
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Moderate
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-12]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Adenoma	
Oral Mucosa	Gingival	Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
[Adenoma TGLS = 1-8]			
[Angiectasis TGLS = 1-8]			
* Salivary Glands		Inflammation	Mild
* Spleen		Pigmentation	Hemosiderin, Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 330	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 679
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102240

ORGAN AND ACCOUNTABLE SITE STATUS

		Ulcer	Mild
[Ulcer TGLS = 3-6]			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 331	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Necrosis	Mild
* Adrenal Medulla		Leukemia Mononuclear	
Blood Vessel	Aorta	Leukemia Mononuclear	
Note: MCL is in peri-aortic fat.			
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
		Myelofibrosis	Minimal
* Brain		Hemorrhage	Minimal
		Necrosis	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
[Fatty Change TGLS = 4-6+7]			
[Leukemia Mononuclear TGLS = 4-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 331	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102241

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-14]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Mammary Gland		Fibroadenoma	
		Leukemia Mononuclear	
[Fibroadenoma TGLS = 1-12]			
* Pancreas		Leukemia Mononuclear	
* Parathyroid Gland		Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 6-8]			
[Angiectasis TGLS = 6-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 2-13]			
* Thymus		Atrophy	Marked
Note: MCL is in peri-thymic fat.			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	
Vagina		Inflammation	Mild
[Inflammation TGLS = 5-14]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 332	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 609
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	Eye	Harderian Gland	* 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	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
Eye			
Note: Optic nerves were missing at trim.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 3-6+7]			
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 332	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 609
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102242

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
Oral Mucosa	Gingival	Inflammation	Minimal
* Ovary		Cyst	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 2-5]			
* Thymus		Atrophy	Moderate
		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 333	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
Eye	Lens	Cataract	Minimal
	Retina	Degeneration	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
[Basophilic Focus TGLS = 2-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pancreas		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 333	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102243

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Cyst	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 334	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	Ear
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 2-12]			
* Ovary		Cyst	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
Tooth		Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 334	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102244

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-11]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 335	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 709
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Necrosis	Minimal
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Brain		Leukemia Mononuclear	
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-12]			
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Islets, Pancreatic		Adenoma	
* Kidney	Renal Tubule	Adenoma	Multiple
	Renal Tubule	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 335	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 709
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102245

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
Oral Mucosa	Gingival	Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Mild
		Leukemia Mononuclear	
* Pituitary Gland		Hyperplasia	Minimal
* Salivary Glands		Basophilic Focus	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 2-13]			
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 336	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, 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

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
Note: NO CORRESPONDING LESION FOR TGLS = 1-12			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 336	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102246

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 337	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum		Inflammation	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 338	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 704
	DOSE: 625 PPM	**DISP:** Natural Death	**HISTO:** 0102248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
	Myeloid Cell	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
* Liver		Necrosis	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Metaplasia	Squamous, Minimal
Lymph Node	Mediastinal	Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 3-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Angiectasis	Mild
[Angiectasis TGLS = 4-8]			
* Spleen		Autolysis	
		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 1-5]			
* Thymus		Atrophy	Marked
* Uterus		Polyp Stromal	
Note: The polyp is severely congested and inflammed, suggesting torsion of the polyp.			
[Polyp Stromal TGLS = 2-12]			

PRIMARY CAUSE OF DEATH - Uterus Polyp Stromal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 338	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 704
	DOSE: 625 PPM	**DISP:** Natural Death	**HISTO:** 0102248

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 339	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Moderate
* Pancreas		Basophilic Focus	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 339	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102249

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 340	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 625 PPM	**DISP:** Natural Death	**HISTO:** 0102250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
* Liver		Degeneration	Cystic, Moderate
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Necrosis	Marked
[Degeneration TGLS = 1-12]			
[Necrosis TGLS = 2,3-6+7+13]			
* Lung	Interstitium	Fibrosis	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Granulomatous, Marked
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 5-15]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 340	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 625 PPM	**DISP:** Natural Death	**HISTO:** 0102250

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Oral Mucosa	Gingival	Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 4-14]			
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Inflammation	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH - Lung Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 341	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
Eye	Retina	Degeneration	Moderate
		Inflammation	Moderate

Note: The lens capsule has ruptured and the eye is moderately phthisic, though the retina is not yet completely degenerate.
[Inflammation TGLS = 1-10]

* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	

[Hyperplasia TGLS = 3-6+7]
[Leukemia Mononuclear TGLS = 3-6+7]

* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	

[Fibroadenoma TGLS = 2-12]

Mesentery	Fat	Necrosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 341	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102251

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 4-13]			
* Ovary		Cyst	
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Moderate
Note: MCL is in peri-thymic fat.			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 342	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Necrosis	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
		Myelofibrosis	Mild
* Kidney	Cortex	Mineralization	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
Note: Liver nodules are regenerative nodules secondary to hepatocellular loss from MCL.			
[Leukemia Mononuclear TGLS = 1,2-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 342	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102252

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-12]		
* Nose	Inflammation	Minimal
Note: There is olfactory epithelial degeneration, and hyperplasia of the respiratory epithelium, secondary to the nasal inflammation.		
* Ovary	Cyst	
* Spleen	Leukemia Mononuclear	
	Pigmentation	Hemosiderin, Minimal
* Thymus	Atrophy	Moderate
* Uterus	Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 343	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6+7]			
[Hepatodiaphragmatic Nodule TGLS = 3-6]			
[Mixed Cell Focus TGLS = 4-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 343	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102253

ORGAN AND ACCOUNTABLE SITE STATUS

		Angiectasis	Marked
[Adenoma TGLS = 5-8]			
[Angiectasis TGLS = 5-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked
Tooth		Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Polyp Stromal	
[Polyp Stromal TGLS = 2-13]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 344	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 1-12]			
* Nose		Adenoma	
* Pituitary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 344	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102254

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 345	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 690
	DOSE: 625 PPM	**DISP:** Natural Death	**HISTO:** 0102255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1-12]			
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Necrosis	Marked
[Necrosis TGLS = 2-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose		Thrombosis	Mild
* Spleen		Autolysis	
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 346	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
* Bone Marrow		Inflammation	Granulomatous, Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	
* Pituitary Gland		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 346	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102256

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Trachea		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 1-11]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 347	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
	Myeloid Cell	Hyperplasia	Minimal
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lung		Carcinoma	Metastatic (Thyroid Gland)
	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Deep Cervical	Carcinoma	Metastatic (Thyroid Gland)
[Carcinoma TGLS = 1-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 347	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102257

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked
		Carcinoma	Metastatic (Thyroid Gland)
* Thyroid Gland	Bilateral, C Cell	Carcinoma	
[Carcinoma TGLS = 2-8]			
* Trachea		Carcinoma	Metastatic (Thyroid Gland)
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-11]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 348	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* 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
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-12]			
* Ovary		Cyst	
Note: Cyst is a bursal dilatation.			
[Cyst TGLS = 1-11]			
* Pituitary Gland		Angiectasis	Moderate
		Hyperplasia	Marked
[Angiectasis TGLS = 4-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 348	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102258

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 4-8]			
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 349	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 701
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
	Myeloid Cell	Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney	Renal Tubule	Adenoma	Multiple
		Infarct	Minimal
	Pelvis	Inflammation	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Mild
		Necrosis	Minimal
[Basophilic Focus TGLS = 2-13]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Acute, Mild
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 349	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 701
	DOSE: 625 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102259

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Marked
Skeletal Muscle		Sarcoma	
Note: PTAH did not highlight cross-striations in tunor cells, rather it stained nuclei.			
Note: Trichrome stain did not appreciably stain this mass as muscle thus did not support a diagnosis of rhabdomyosarcoma.			
[Sarcoma TGLS = 3-14]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	- Skeletal Muscle Sarcoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 350	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 625 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	Eye
* 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	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 351	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 638
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* 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

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Atrophy	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
		Leukemia Mononuclear	
Eye	Optic Nerve	Fibrosis	Mild
Note: There is gliosis of the optic cup in one eye.			
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Carcinoma	
Note: Lack of staining may be due to formalin fixation (see Jubb, Kennedy, and Palmer (eds.) Pathology of Domestic Animals).			
Note: Grimelius stain was performed for enterochromaffin (argyrophilic) granules to confirm carcinoid.			
Note: Grimelius stain was negative in both the tumor and adrenal medulla, so was not interpretable.			
[Carcinoma TGLS = 6-14]			
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
[Pigmentation TGLS = 2-5]			
* Liver		Fatty Change	Diffuse, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 351	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 638
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102261

ORGAN AND ACCOUNTABLE SITE STATUS

	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Necrosis	Minimal
[Leukemia Mononuclear TGLS = 3-6+7]			
[Necrosis TGLS = 3-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-13]			
* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Moderate
		Leukemia Mononuclear	
[Angiectasis TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Marked
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 1-12]			
* Thymus		Atrophy	Moderate
		Cyst	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 352	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Minimal
[Hyperplasia TGLS = 3-6+7]			
[Necrosis TGLS = 3-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 352	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102262

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
* Ovary		Cyst	
Note: Cyst is a bursal dilatation.			
[Cyst TGLS = 2-13]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Leukemia Mononuclear	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 1-12]			
* Thymus		Atrophy	Marked
Note: MCL is in peri-thymic fat.			
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Polyp Stromal	
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 4-14]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 353	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Mild
* Bone		Fibrous Osteodystrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Angiectasis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 353	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102263

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 354	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	Harderian Gland
* 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
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
Blood Vessel	Aorta	Leukemia Mononuclear	
Note: MCL is in peri-aortic fat.			
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
		Myelofibrosis	Mild
* Brain		Leukemia Mononuclear	
* Clitoral Gl			
Note: One clitoral gland was missing at trim.			
Eye	Retina	Degeneration	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Necrosis	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 354	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102264

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLS = 1-12]		
Mesentery	Leukemia Mononuclear	
* Ovary	Cyst	
Note: TGL-3 cyst is probably actually a dilated ovarian bursa.		
[Cyst TGLS = 3-13]		
* Pituitary Gland	Hyperplasia	Mild
* Salivary Glands	Atrophy	Mild
* Spleen	Hematopoietic Cell Proliferation	Minimal
	Leukemia Mononuclear	
	Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 2-5]		
* Stomach, Glandular	Erosion	Mild
* Thymus	Atrophy	Moderate
	Leukemia Mononuclear	
Note: MCL is also in peri-thymic fat.		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 355	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* 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		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 1-12]			
* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 355	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102265

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 356	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Oral Mucosa	Gingival	Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Salivary Glands		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1-12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 356	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102266

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 357	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
		Necrosis	Minimal
[Hyperplasia TGLS = 2-6+7]			
[Hypertrophy TGLS = 2-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 357	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102267

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary	Cyst	
Note: Cyst is a bursal dilatation. Another cyst is also present.		
[Cyst TGLS = 1-12]		
* Spleen	Hematopoietic Cell Proliferation	Minimal
	Leukemia Mononuclear	
	Pigmentation	Hemosiderin, Minimal
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 358	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Cyst	
		Fatty Change	Diffuse, Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	

Note: HYPERTROPHY ASSOCIATED WITH MONONUCLEAR CELL LEUKEMIA.
Note: There are also many nodules of regenerative hyperplasia.
[Basophilic Focus TGLS = 4,9-13+16]
[Hepatodiaphragmatic Nodule TGLS = 3-12]
[Hypertrophy TGLS = 4,5,6,7,8,9,10-13+14+15+16+17]

* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 358	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102268

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 1-5]			
* Thymus		Atrophy	Marked
		Leukemia Mononuclear	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Polyp Stromal	
[Polyp Stromal TGLS = 2-12]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 359	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hematopoietic Cell Proliferation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
* Thymus		Atrophy	Moderate
Note: MCL is in peri-thymic fat.			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 359	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102269

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 360	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
[Basophilic Focus TGLS = 2-6+7]			
[Eosinophilic Focus TGLS = 2-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
[Adenoma TGLS = 3-8]			
[Angiectasis TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 360	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102270

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

Note: NO CORRELATING LESION FOR TGLS 1-12.
Note: Cervical mucosa is typical of vaginal mucosa during diestrus.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 361	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 686
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 361	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 686
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102271

ORGAN AND ACCOUNTABLE SITE STATUS

	Pigmentation	Hemosiderin, Minimal
* Thymus	Atrophy	Moderate
* Uterus	Polyp Stromal	
[Polyp Stromal TGLS = 2-11]		

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 362	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 701
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* 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, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Mild
		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
[Adenoma TGLS = 3-8]			
[Angiectasis TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 362	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 701
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102272

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 363	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 3-8]			
[Angiectasis TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 363	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102273

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Cervix	Hypertrophy	Moderate
[Hypertrophy TGLS = 1-12]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 364	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* 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		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
		Hypertrophy	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Ovary			
Note: The cyst (TGL-1) observed at necropsy was probably a dilated ovarian bursa.			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 364	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102274

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 365	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 366	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* 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	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Renal	Infiltration Cellular	Histiocyte, Moderate
	Renal	Pigmentation	Mild
[Infiltration Cellular TGLS = 4-13]			
[Pigmentation TGLS = 4-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactocele	Marked
		Hyperplasia	Mild
[Galactocele TGLS = 1-12]			
[Hyperplasia TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 366	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102276

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-8]			
[Angiectasis TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Stomach, Glandular		Inflammation	Minimal
* Thymus		Atrophy	Marked
* Uterus		Angiectasis	Focal, Mild
	Endometrium	Hyperplasia	Cystic, Minimal
[Angiectasis TGLS = 3-11]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 367	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 687
	DOSE: 1250 PPM	**DISP:** Natural Death	**HISTO:** 0102277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* 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	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Necrosis	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
Blood Vessel	Aorta	Leukemia Mononuclear	
Note: MCL is in peri-aortic fat.			
* Bone Marrow		Leukemia Mononuclear	
		Necrosis	Mild
* Brain		Leukemia Mononuclear	
Eye			
Note: Optic nerves are missing at trim.			
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Marked
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Mild

[Fatty Change TGLS = 3-6+7]
[Hyperplasia TGLS = 3-6+7]
[Necrosis TGLS = 3-6+7]

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 367	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 687
	DOSE: 1250 PPM	**DISP:** Natural Death	**HISTO:** 0102277

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Leukemia Mononuclear	
[Fibroadenoma TGLS = 1-12]			
Oral Mucosa	Gingival	Inflammation	Minimal
* Ovary		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Mild
[Angiectasis TGLS = 5-8]			
[Hyperplasia TGLS = 5-8]			
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 2-5]			
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
		Inflammation	Minimal
* Thymus		Atrophy	Moderate
Note: MCL is in peri-thymic fat.			
Tooth		Leukemia Mononuclear	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	- Liver Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 368	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Bone Marrow	Erythroid Cell	Hyperplasia	Minimal
	Myeloid Cell	Hyperplasia	Mild
		Myelofibrosis	Minimal
* Brain			
Note: Pituitary hyperplasia extends along pituitary stalk and is visible in brain section.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 3-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 368	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102278

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 2-12+13]		
* Pituitary Gland	Angiectasis	Mild
	Hyperplasia	Marked
[Angiectasis TGLS = 4-8]		
[Hyperplasia TGLS = 4-8]		
* Spleen	Hematopoietic Cell Proliferation	Minimal
	Leukemia Mononuclear	
	Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 1-5]		
* Thymus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 369	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 528
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked
* Uterus	Cervix	Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1-12]			

PRIMARY CAUSE OF DEATH - Uterus Cervix Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 370	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
[Hyperplasia TGLS = 2-6+7]			
[Hypertrophy TGLS = 2-6+7]			
[Necrosis TGLS = 2-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-12]			
* Pituitary Gland		Cyst	Mild
[Cyst TGLS = 3-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 370	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102280

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Hematopoietic Cell Proliferation	Minimal
	Leukemia Mononuclear	
	Pigmentation	Hemosiderin, Minimal
* Thymus	Atrophy	Moderate
* Uterus	Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 371	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
[Adenoma TGLS = 2-8]			
[Angiectasis TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 371	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102281

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 1-11]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 372	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 681
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Clitoral Gland
* Esophagus	Eye	Harderian Gland	* 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	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
Blood Vessel	Aorta	Leukemia Mononuclear	
Note: MCL is in peri-aortic fat.			
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
		Myelofibrosis	Mild
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Infarct	
		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Minimal
[Necrosis TGLS = 3-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Mild
	Deep Cervical	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 372	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 681
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102282

ORGAN AND ACCOUNTABLE SITE STATUS

	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
[Leukemia Mononuclear TGLS = 2-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Galactocele	
* Pituitary Gland		Angiectasis	Minimal
[Angiectasis TGLS = 5-8]			
* Spleen		Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 1-5]			
* Thymus		Atrophy	Marked
Note: MCL is in peri-thymic fat.			
PRIMARY CAUSE OF DEATH	- Liver Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 373	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* 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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 1-8]			
[Angiectasis TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 373	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102283

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Moderate
* Uterus	Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 374	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 581
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Clitoral Gl			
Note: One clitoral gland was missing at trim.			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Histiocytic Sarcoma	
* Kidney		Accumulation, Hyaline Droplet	Marked
		Histiocytic Sarcoma	
	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Minimal
		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 1,2-6+7+12]			
* Lung		Histiocytic Sarcoma	
	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Mild
Note: Granulomatous inflammation and alveolar hyperplasia are associated with eosinophilic crystals.			
[Histiocytic Sarcoma TGLS = 3-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Infiltration Cellular	Plasma Cell, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 374	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 581
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102284

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 5-6]			
* Mammary Gland		Atrophy	Moderate
		Histiocytic Sarcoma	
Mesentery		Histiocytic Sarcoma	
Note: Histiocytic sarcoma is in the mesentery supporting several visceral organs.			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Mild
Skeletal Muscle		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 4-13]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked
* Urinary Bladder		Histiocytic Sarcoma	
PRIMARY CAUSE OF DEATH	- Skeletal Muscle Histiocytic Sarcoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 375	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 709
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	* 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	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-13]			
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
Lymph Node	Deep Cervical	Infiltration Cellular	Plasma Cell, Mild
	Mediastinal	Infiltration Cellular	Plasma Cell, Mild
	Mediastinal	Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 4-14]			
[Infiltration Cellular TGLS = 5-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 375	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 709
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102285

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 3-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 6,7-15]			
[Angiectasis TGLS = 7-15]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 376	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 714
	DOSE: 1250 PPM	**DISP:** Natural Death	**HISTO:** 0102286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Necrosis	Minimal
[Hyperplasia TGLS = 2-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Oral Mucosa	Gingival	Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 376	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 714
	DOSE: 1250 PPM	**DISP:** Natural Death	**HISTO:** 0102286

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Marked
* Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 1-5]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 377	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* 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

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Clitoral Gland		Adenoma	
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 378	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 379	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102289

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
[Basophilic Focus TGLS = 1-6+7]			
[Hepatodiaphragmatic Nodule TGLS = 2-12]			
[Hyperplasia TGLS = 1-6+7]			
[Hypertrophy TGLS = 1-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 379	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102289

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Minimal
	Leukemia Mononuclear	
* Nose	Leukemia Mononuclear	
* Spleen	Hematopoietic Cell Proliferation	Minimal
	Leukemia Mononuclear	
	Pigmentation	Hemosiderin, Minimal
* Thymus	Atrophy	Moderate
* Trachea	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 380	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102290

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Necrosis	Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
		Myelofibrosis	Mild
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Necrosis	Minimal
[Basophilic Focus TGLS = 1-6+7]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Granulomatous, Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 380	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102290

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 3-3+4]		
[Leukemia Mononuclear TGLS = 3-3+4]		
* Lymph Node, Mandibular	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]		
* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Moderate
	Leukemia Mononuclear	
* Spleen	Leukemia Mononuclear	
	Pigmentation	Hemosiderin, Minimal
* Thymus	Leukemia Mononuclear	
Note: MCL is also in peri-thymic fat.		
* Urinary Bladder	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 381	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 659
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Medulla	Mineralization	Mild
		Nephropathy	Marked
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Moderate
[Hepatodiaphragmatic Nodule TGLS = 3-12]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLS = 4-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Ovary		Cyst	
Note: Cyst is a bursal dilatation. A second cyst is also present.			
[Cyst TGLS = 2-11]			
* Pancreas		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 381	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 659
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102291

ORGAN AND ACCOUNTABLE SITE STATUS

	Angiectasis	Marked
[Adenoma TGLS = 5-8]		
[Angiectasis TGLS = 5-8]		
* Spleen	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Hemosiderin, Minimal
* Thymus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 382	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 679
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: TGL-4, the pancreatic mass, is a combination of pancreatic lymph node and pancreas obliterated by MCL.			
[Leukemia Mononuclear TGLS = 2-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13]			
* Ovary		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 382	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 679
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102292

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Hematopoietic Cell Proliferation	Minimal
	Leukemia Mononuclear	
	Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 1-5]		
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 383	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
	Myeloid Cell	Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Cortex	Mineralization	Minimal
	Medulla	Mineralization	Mild
		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 2-6+7]			
[Hypertrophy TGLS = 2-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 383	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102293

ORGAN AND ACCOUNTABLE SITE STATUS

Note: There are hairs associated with the granulomatous inflammation in this case.

* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Pituitary Gland		Hyperplasia	Mild
* Skin	Sebaceous Gl	Hyperplasia	Moderate
		Squamous Cell Papilloma	
[Hyperplasia TGLS = 5-13]			
[Squamous Cell Papilloma TGLS = 5-13]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 1-5]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 4-12]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 384	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* 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	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Nose		Inflammation	Minimal
Note: There is respiratory epithelial hyperplasia associated with the inflammation in this animal.			
* Pituitary Gland		Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Adenomatous, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 384	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102294

ORGAN AND ACCOUNTABLE SITE STATUS

	Endometrium	Hyperplasia	Cystic, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 385	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 480
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
		Inflammation	Granulomatous, Minimal
* Esophagus		Histiocytic Sarcoma	
* Heart		Histiocytic Sarcoma	
* Kidney	Pelvis	Inflammation	Minimal
	Medulla	Mineralization	Minimal
Note: Inflammation is largely in renal papilla and perirenal fat.			
* Liver		Basophilic Focus	
		Fibrosis	Moderate
		Histiocytic Sarcoma	
	Oval Cell	Hyperplasia	Marked
		Leukemia Mononuclear	
		Necrosis	Mild
[Fibrosis TGLS = 3,4,5,6,7-14+15+16+17+18]			
[Histiocytic Sarcoma TGLS = 3,4,5,6,7-14+15+16+17+18]			
[Hyperplasia TGLS = 3,4,5,6,7-14+15+16+17+18]			
* Lung		Histiocytic Sarcoma	
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Skin		Cyst Epithelial Inclusion	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 385	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 480
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102295

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst Epithelial Inclusion TGLS = 2-13]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Trachea		Histiocytic Sarcoma	
* Uterus	Cervix	Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 1-12]			
PRIMARY CAUSE OF DEATH	- Uterus Cervix Histiocytic Sarcoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 386	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* 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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-11]			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 3-13]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 1-12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 386	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102296

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Inflammation	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 387	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Harderian Gland	* 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
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Inflammation	Mild
	Pelvis	Inflammation	Mild
	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Ovary		Cyst	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 387	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102297

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth		Inflammation	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 388	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 624
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Brain		Necrosis	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-11]			
* Heart		Cardiomyopathy	Minimal
[Cardiomyopathy TGLS = 6-7]			
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Deep Cervical	Infiltration Cellular	Plasma Cell, Minimal
[Infiltration Cellular TGLS = 5-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Oral Mucosa		Hyperplasia	Squamous, Mild
	Gingival	Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 388	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 624
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102298

ORGAN AND ACCOUNTABLE SITE STATUS

Note: There is inflammation associated with retention of keratin in a cystic space adajcent to the tooth.			
* Ovary			
Note: TGL-3, an ovarian cyst, was probably a dilated ovarian bursa.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Leukemia Mononuclear TGLS = 4-5]			
* Thymus		Atrophy	Marked
Note: MCL is in peri-thymic fat.			
Tooth		Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-13]			
PRIMARY CAUSE OF DEATH	- Liver Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 389	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* 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
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Mild
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	
Note: Cyst is a bursal dilatation.			
[Cyst TGLS = 1-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 389	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102299

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Follicular Cel	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 390	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
* Lung		Carcinoma	Metastatic (Thyroid Gland)
	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 390	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 730
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102300

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 2-8]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 391	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	
		Granulosa Cell Tumor Benign	
[Granulosa Cell Tumor Benign TGLS = 2-11]			
* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 391	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102301

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Polyp Stromal	
[Hyperplasia TGLS = 1-12]			
[Polyp Stromal TGLS = 1-12]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 392	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
		Hyperplasia	Squamous, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 392	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102302

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Polyp Stromal	
[Hyperplasia TGLS = 2-12]			
[Polyp Stromal TGLS = 1-12]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 393	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 725
	DOSE: 1250 PPM	**DISP:** Natural Death	**HISTO:** 0102303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
Blood Vessel		Mineralization	Minimal
Note: Pulmonary artery (at heart base) is mineralized.			
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Hyperplasia	Moderate
[Hyperplasia TGLS = 7-6]			
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Medulla	Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 1-5]			
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Infiltration Cellular	Plasma Cell, Mild
[Hemorrhage TGLS = 5-3]			
[Infiltration Cellular TGLS = 5-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Moderate
		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Basophilic Focus	Minimal
* Spleen		Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 393	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 725
	DOSE: 1250 PPM	**DISP:** Natural Death	**HISTO:** 0102303

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Mild
		Ulcer	Marked
[Hyperplasia TGLS = 3-12]			
[Inflammation TGLS = 3-12]			
[Ulcer TGLS = 6-14]			
* Stomach, Glandular		Inflammation	Mild
[Inflammation TGLS = 4-13]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 2-8]			
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 394	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 394	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102304

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 395	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* 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	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Vacuolization Cytoplasmic	Minimal
Harderian Gland		Infiltration Cellular	Lymphoid, Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	
* Pancreas		Inflammation	Minimal
* Pituitary Gland		Angiectasis	Mild
		Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 395	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102305

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 396	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 653
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	Moderate
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3+4]			
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 396	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 653
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102306

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Hyperplasia	Minimal
* Spleen	Accessory Spleen	Mild
	Leukemia Mononuclear	
	Pigmentation	Hemosiderin, Minimal
[Accessory Spleen TGLS = 2-12]		
[Leukemia Mononuclear TGLS = 1-5]		
* Thymus	Atrophy	Moderate
Note: MCL is in peri-thymic fat.		
* Uterus	Polyp Stromal	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 397	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Minimal
Eye	Lens	Cataract	Marked
	Retina	Degeneration	Marked
Note: Eye is phthisic, probably secondary to the cataract and leakage of lens protein.			
[Cataract TGLS = 1-10]			
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
[Hepatodiaphragmatic Nodule TGLS = 2-12]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 397	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102307

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Hemosiderin, Minimal
* Thymus	Atrophy	Moderate
* Trachea	Inflammation	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 398	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Eye		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 2-8]			
[Angiectasis TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 398	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102308

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 1-11]	
PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 399	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	* 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	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 3-13]			
Harderian Gland		Infiltration Cellular	Lymphoid, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
[Clear Cell Focus TGLS = 4,5,6-12+14+15]			
[Hepatodiaphragmatic Nodule TGLS = 7-15]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-16]			
* Ovary		Cyst	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 399	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 1250 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 0102309

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL-1 was probably a dilated ovarian bursa.
[Cyst TGLS = 1-11]

* Pituitary Gland		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 400	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 679
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Brain
* Clitoral Gland	* Esophagus	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone		Fibrous Osteodystrophy	Minimal
* Bone Marrow		Myelofibrosis	Minimal
Eye	Lens	Cataract	Moderate
	Retina	Degeneration	Marked
Note: Eye is mildly-moderately phthisic.			
[Cataract TGLS = 1-10]			
[Degeneration TGLS = 1-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Adenoma	Multiple
	Renal Tubule	Cyst	
	Renal Tubule	Hyperplasia	Marked
	Medulla	Mineralization	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLS = 5-6]			
* Parathyroid Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 400	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 679
	DOSE: 1250 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 0102310

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Angiectasis	Minimal
		Hyperplasia	Mild
[Angiectasis TGLS = 2-8]			
[Hyperplasia TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
	Red Pulp	Hyperplasia	Mild
		Pigmentation	Hemosiderin, Minimal
[Hyperplasia TGLS = 3-5]			
* Stomach, Forestomach		Hyperplasia	Squamous, Marked
		Inflammation	Marked
		Ulcer	Moderate
* Stomach, Glandular		Inflammation	Mild
		Ulcer	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

** END OF REPORT **

* PROTOCOL REQUIRED TISSUE