C Number:	C56224C
Lock Date:	01/26/1995
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	04/02/1997

ANIMAL ID: 1	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 684
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31012

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	* Larynx
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Stomach, Forestomach	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
	Atrium	Thrombosis	Marked
[Thrombosis TGLS = 10-4]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 9-5]			
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 5,14-4+17]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3+3A]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 684
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31012

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-6]			
* Mammary Gland		Galactocele	Mild
Note: The "mass (2), 3x5mm, pale" noted at trim to be in mesenteric fat was actually in subcutaneous fat and was mammary gland.			
[Galactocele TGLS = 15-18]			
Mesentery		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-16]			
* Nose		Leukemia Mononuclear	
		Thrombosis	Moderate
* Pancreas		Atrophy	Mild
		Leukemia Mononuclear	
Note: "Mass, 2mm dia" noted at trim was probably associated with extensive leukemia.			
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Skin	Subcut Tiss	Schwannoma Malignant	
[Schwannoma Malignant TGLS = 6-15]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 2-13]			
[Leukemia Mononuclear TGLS = 1-12]			
* Stomach, Glandular		Necrosis	Mild
[Necrosis TGLS = 12-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:** 31013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 4-5]			
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Carcinoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
* Liver		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:** 31013

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-12]			
* Stomach, Forestomach		Necrosis	Marked
[Necrosis TGLS = 3-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 507
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:** 31014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Nose	* Pancreas	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1,2-12]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 507
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:** 31014

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 4	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 574
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Degeneration	Fatty, Marked
	Centrilobular	Necrosis	Minimal
[Degeneration TGLS = 6-4]			
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 7-3]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Stomach, Forestomach		Necrosis	Marked
[Necrosis TGLS = 8-13]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 5	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 599
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31016

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	* Larynx
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Prostate		Inflammation	Chronic Active, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 5	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 599
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31016

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 3-13]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 6	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:** 31017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3+3A]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
[Fibroadenoma TGLS = 3-16+17+18]			
[Galactocele TGLS = 1,2-13+14]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 6	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:** 31017

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 4-12]	Leukemia Mononuclear

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 7	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 532
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
		Thrombosis	Mild
* Pancreas		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 7	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 532
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31018

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
[Leukemia Mononuclear TGLS = 1-4]			
[Necrosis TGLS = 2-12]			
* Testes	Interstit Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 8	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 578
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 6-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-12]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
		Thrombosis	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 8	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 578
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31019

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,4-12]			
* Stomach, Glandular		Necrosis	Mild
[Necrosis TGLS = 8-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 9	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 382
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-1]			
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Fatty, Minimal
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 9	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 382
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31020

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Leukemia Mononuclear	
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,7-13]		
* Stomach, Forestomach	Leukemia Mononuclear	
* Stomach, Glandular	Leukemia Mononuclear	
	Necrosis	Mild
[Necrosis TGLS = 9-14]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 10	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 606
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 11-5]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Moderate
		Regeneration	Moderate
[Leukemia Mononuclear TGLS = 12-4+13]			
[Regeneration TGLS = 13-13]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-15]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 10	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 606
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31021

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 14-17]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
		Leukemia Mononuclear	
		Thrombosis	Mild
* Pancreas		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 5-8]			
* Prostate		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 6-8]			
* Skin	Tail	Hyperkeratosis	Moderate
[Hyperkeratosis TGLS = 3-16]			
* Spleen		Leukemia Mononuclear	
		Necrosis	Moderate
[Leukemia Mononuclear TGLS = 7,8-12]			
[Necrosis TGLS = 9-14]			
* Stom Forestom			
Note: The "nodule, 2mm dia, pale" described at trim was part of the normal gastric morphology.			
* Testes	Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 11	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 351
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Mammary Gland

OBSERVATIONS

* Brain		Meningioma Malignant	
[Meningioma Malignant TGLS = 3-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Brain Meningioma Malignant

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 12	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 665
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mesenteric	* Pancreas
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skin
* Spleen	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland
* Salivary Glands	* Thymus		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Bone		Fibrous Osteodystrophy	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
* Liver		Degeneration	Cystic, Mild
		Vacuolization Cytoplasmic	Focal, Mild
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Stomach, Forestomach		Necrosis	Moderate
* Stomach, Glandular		Necrosis	Moderate
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Adenoma	

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

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 13	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 717
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:** 31024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Nose	* Pancreas
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Rectum	* Seminal Vesicle	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Colon		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6]			
* Intestine Small, Ileum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6]			
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 8-5]			
* Liver		Degeneration	Cystic, Moderate
		Leukemia Mononuclear	
[Degeneration TGLS = 7-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Degeneration	Moderate
[Degeneration TGLS = 2-14]			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 11-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 13	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 717
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:** 31024

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 3-15]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 6-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4,5-7]			
* Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 14	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 561
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3+3A]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pancreas		Atrophy	Minimal
Peritoneum		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-12+13+8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 14	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 561
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31025

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 2-8]		
* Spleen		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 4,5-4]		
* Testes	Bilateral, Interstit Cell	Adenoma
		Mesothelioma Malignant
[Adenoma TGLS = 6-12+13]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 15	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 679
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Mammary Gland	* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Clear Cell Focus	
* Lung		Metaplasia	Osseous, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-12]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,4-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 15	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 679
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31026

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 16	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 333
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:** 31027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Lung			
Note: "Dark red" lungs noted at necropsy were due to postmortem pooling of blood.			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 17	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 664
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:** 31028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Preputial Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Testes	Artery	Inflammation	Chronic Active, Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 18	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 715
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Prostate		Hyperplasia	Mild
		Inflammation	Chronic Active, Moderate
* Skin	Subcut Tiss	Fibroma	
		Keratoacanthoma	
[Fibroma TGLS = 5-13+14]			
[Keratoacanthoma TGLS = 6-15]			
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 2-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 18	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 715
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31029

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder	Inflammation	Chronic Active, Marked
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 19	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 624
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 4-12]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
		Leukemia Mononuclear	
		Thrombosis	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 19	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 624
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31030

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
[Adenoma TGLS = 1-8]			
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 20	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 696
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	Mild
[Thrombosis TGLS = 5-4]			
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pancreas		Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Minimal
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-12]			
* Prostate		Hyperplasia	Mild
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 4-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 20	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 696
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31031

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 21	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 469
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31032

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	* Larynx
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3+3A]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
		Thrombosis	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 21	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 469
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31032

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	Subcut Tiss	Schwannoma Malignant
Note: "Schwannoma Mal" was neural crest tumor of ear.		
[Schwannoma Malignant TGLS = 1-13]		
* Spleen		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 2-12]		
* Stomach, Forestomach		Leukemia Mononuclear
* Stomach, Glandular		Leukemia Mononuclear
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 5-7]		
* Thymus		Leukemia Mononuclear
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 22	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 617
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31033

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	* Larynx
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney	Renal Tubule	Hyperplasia	Mild
		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-4]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 10-12]			
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
		Leukemia Mononuclear	
Note: Lymph node with no site was axillary.			
[Leukemia Mononuclear TGLS = 9-17]			
[Leukemia Mononuclear TGLS = 6-13]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 22	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 617
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31033

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-16]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-13]			
* Stomach, Forestomach		Leukemia Mononuclear	
		Necrosis	Moderate
[Necrosis TGLS = 11-8+15]			
* Stomach, Glandular		Necrosis	Mild
[Necrosis TGLS = 12-8]			
* Testes	Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 23	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 696
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Salivary Glands

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 10-5]			
* Heart		Leukemia Mononuclear	
	Atrium	Thrombosis	Marked
[Thrombosis TGLS = 2-4]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,4-3]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 23	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 696
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31034

ORGAN AND ACCOUNTABLE SITE STATUS

		Thrombosis	Mild
* Skin		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 11-14]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 8-12]			
[Leukemia Mononuclear TGLS = 7-12]			
* Stomach, Forestomach		Necrosis	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 24	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 525
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Fatty, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Prostate		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 2-8]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 3-12]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 25	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 690
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Trachea	

MISSING

* Lymph Node, Bronchial	* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-1]			
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Cyst	Mild
		Leukemia Mononuclear	
		Nephropathy	Moderate
[Cyst TGLS = 10-5]			
[Nephropathy TGLS = 5-5]			
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 6-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-16]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 25	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 690
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31036

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Skin		Basal Cell Carcinoma	
[Basal Cell Carcinoma TGLS = 8-14]			
* Spleen		Accessory Spleen	
		Leukemia Mononuclear	
[Accessory Spleen TGLS = 4-12]			
[Leukemia Mononuclear TGLS = 3-12]			
* Stomach, Glandular		Necrosis	Mild
[Necrosis TGLS = 12-8+13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
Note: The "nodule, 2mm dia, pale" noted at trim was not apparent microscopically.			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 26	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 490
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Esophagus		Inflammation	Suppurative, Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 6-5]			
* Liver		Degeneration	Fatty, Marked
	Bile Duct	Hyperplasia	Mild
[Degeneration TGLS = 5-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Mediastinum	Inflammation	Suppurative, Marked
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Stomach, Forestomach		Necrosis	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 27	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 685
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Angiectasis	Minimal
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 27	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 685
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31038

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa	Gingival	Inflammation	Chronic Active, Marked
* Pancreas		Atrophy	Minimal
* Pituitary Gland		Leukemia Mononuclear	
* Prostate		Adenoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 28	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31039

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	* Larynx
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hyperplasia TGLS = 6-3]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pancreas		Atrophy	Mild
		Basophilic Focus	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 28	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31039

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 1-8]			
* Prostate		Hyperplasia	Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 3-12]			
[Leukemia Mononuclear TGLS = 2-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 29	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Renal Tubule	Hyperplasia	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Degeneration TGLS = 6-4]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Prostate			
Note: "Mottled, granular" prostate noted at necropsy was within normal limits microscopically.			
* Skin		Basal Cell Carcinoma	
[Basal Cell Carcinoma TGLS = 7-13]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 29	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31040

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 30	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 702
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:** 31041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum
* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 8-5]			
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
[Eosinophilic Focus TGLS = 7-13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 3,9-15]			
* Prostate		Inflammation	Chronic Active, Mild
* Spleen			
Note: "Enlarged, 4.4x1.2cm" spleen was within normal limits microscopically.			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 30	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 702
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:** 31041

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 31	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 693
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Mammary Gland
* Pancreas	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mediastinal	* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney	Renal Tubule	Hyperplasia	Marked
		Nephropathy	Marked
[Nephropathy TGLS = 6-5]			
* Liver		Angiectasis	Minimal
		Degeneration	Fatty, Minimal
		Degeneration	Cystic, Minimal
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Prostate		Inflammation	Chronic Active, Moderate
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 5-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 31	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 693
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31042

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 32	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:** 31043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Preputial Gland	* Salivary Glands	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Marked
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Renal Tubule	Hyperplasia	Marked
		Mineralization	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 6-5]			
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Artery, Mediastinum	Mineralization	Moderate
		Mineralization	Marked
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
	Lateral Wall	Necrosis	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 32	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:** 31043

ORGAN AND ACCOUNTABLE SITE STATUS

		Mineralization	Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Inflammation	Suppurative, Moderate
* Skin	Tail	Inflammation	Chronic Active, Mild
		Keratoacanthoma	
[Inflammation TGLS = 3-11]			
[Keratoacanthoma TGLS = 4-14]			
* Spleen		Fibrosis	Mild
* Stomach, Forestomach		Mineralization	Mild
* Stomach, Glandular		Mineralization	Marked
[Mineralization TGLS = 7-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 33	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 4-5]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
* Liver		Clear Cell Focus	
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pancreas		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 5-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 34	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mesenteric	* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 3-5+13]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Mild
		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pancreas		Hyperplasia	Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 34	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31045

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Testes	Artery	Inflammation	Chronic Active, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 35	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 581
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
Note: "Nodule, 7x3mm" noted at trim was normal variation in lobar morphology.			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Testes	Artery	Inflammation	Chronic Active, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 36	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 685
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Salivary Glands

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain			
Note: "Focus, 3mm dia, dark" and "dilatation, dark" noted at trim were secondary to the large pituitary mass.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Mammary Gland		Galactocele	Mild
[Galactocele TGLS = 5-12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 8-13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Stomach, Forestomach		Inflammation	Acute, Mild
[Inflammation TGLS = 9-14]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 37	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Lymph Node, Mediastinal	* Parathyroid Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Cecum		Parasite Metazoan	
* Intestine Large, Rectum		Parasite Metazoan	
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 8-13]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3A]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 37	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31048

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Galactocele	Mild
[Galactocele TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-8]			
* Salivary Glands		Atrophy	Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 3,4-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,9-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 38	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 302
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
[Nephropathy TGLS = 7-5]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12+13+14]			
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-18]			
[Leukemia Mononuclear TGLS = 8-17]			
[Leukemia Mononuclear TGLS = 3-15+16]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 38	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 302
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31049

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Degeneration	Hyaline, Minimal
		Leukemia Mononuclear	
		Thrombosis	Mild
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1,2-15]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 39	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 595
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone		Osteoma	
[Osteoma TGLS = 2-12]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Stomach, Forestomach		Necrosis	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Bone Osteoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 40	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 686
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Minimal
* Heart		Cardiomyopathy	Mild
	Artery	Mineralization	Mild
* Kidney		Mineralization	Moderate
	Papilla	Necrosis	Moderate
		Nephropathy	Moderate
[Nephropathy TGLS = 8-5]			
* Liver		Degeneration	Cystic, Minimal
* Mammary Gland		Carcinoma	Multiple
[Carcinoma TGLS = 1,10-13+12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 6-15]			
* Nose		Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Mild
		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-8]			
* Prostate		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 40	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 686
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31051

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 5-8]			
* Sem Ves			
Note: "Enlarged, 3x1.7 cm" and "dark red" seminal vesicles noted at necropsy were normal microscopically.			
* Stomach, Forestomach		Necrosis	Mild
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7-7]			
* Urinary Bladder		Necrosis	Marked
[Necrosis TGLS = 2-8]			

PRIMARY CAUSE OF DEATH - Urinary Bladder Necrosis

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 41	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 9-5]			
* Liver		Angiectasis	Minimal
		Eosinophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Galactocele	Moderate
[Fibroadenoma TGLS = 1-12]			
[Galactocele TGLS = 4-16]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 7-15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pancreas		Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 41	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31052

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hyperplasia	Moderate
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 2-14]			
* Spleen		Hyperplasia	Focal, Marked
		Leukemia Mononuclear	
Note: Focal hyperplasia was stromal hyperplasia.			
[Hyperplasia TGLS = 10-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5,6-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 42	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 522
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
* Pancreas		Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Skin	Sebaceous Gl	Carcinoma	
[Carcinoma TGLS = 2-13]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 42	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 522
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31053

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 4-12]			
[Leukemia Mononuclear TGLS = 3-12]			
* Testes	Interstit Cell	Hyperplasia	Minimal
Note: "Focus, 2mm dia, pale" noted at necropsy was not apparent microscopically.			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Skin Sebaceous Gl Carcinoma		
CONTRIBUTORY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 43	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 657
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13,14-12+13]			
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-6]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Hepatocellular Adenoma TGLS = 19-22]			
[Leukemia Mononuclear TGLS = 8,20-4+23]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 4-14]			
[Leukemia Mononuclear TGLS = 3-15]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 43	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 657
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31054

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Lumbar	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-21]			
[Leukemia Mononuclear TGLS = 12-20]			
[Leukemia Mononuclear TGLS = 15,16-16+17]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 5-8]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 21-26]			
[Leukemia Mononuclear TGLS = 7-24+25]			
* Stomach, Forestomach		Necrosis	Mild
Note: "Nodule, 2mm dia" described at trim was normal fold in mucosa of glandular stomach.			
* Stomach, Glandular		Necrosis	Mild
[Necrosis TGLS = 17-8+18]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 44	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 7-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 5-12]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
Lymph Node	Renal	Hemorrhage	Mild
[Hemorrhage TGLS = 6-15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Prostate		Hyperplasia	Mild
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 4-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 45	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 681
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:** 31056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Marked
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 1-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pancreas		Atrophy	Minimal
		Hyperplasia	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hemorrhage	Marked
[Hemorrhage TGLS = 7-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 45	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 681
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:** 31056

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 8-7]			
* Skin	Sebaceous Gl	Carcinoma	
[Carcinoma TGLS = 6-12]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 3-4]			
[Leukemia Mononuclear TGLS = 2-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4,5-14+7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Hemorrhage
CONTRIBUTORY CAUSE OF DEATH	- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 46	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 536
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31057

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	* Larynx
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Infarct	Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 11-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3+3A]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-15]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 46	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 536
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31057

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 12-12]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Accessory Spleen	
		Fibrosis	Mild
		Leukemia Mononuclear	
[Accessory Spleen TGLS = 6-14]			
[Fibrosis TGLS = 5-13]			
[Leukemia Mononuclear TGLS = 4-16]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 10-7]			
* Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 47	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 591
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Marked
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Hyperplasia TGLS = 2-3A]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Moderate
[Galactocele TGLS = 7,8-13+14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
		Leukemia Mononuclear	
		Thrombosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 47	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 591
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31058

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Mild
		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 6-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Testes		Atrophy	Moderate
[Atrophy TGLS = 4-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 48	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 572
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pancreas		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Preputial Gland		Adenoma	
		Carcinoma	
[Carcinoma TGLS = 1-12]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 49	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 599
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Skin	* Trachea

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-2+14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
		Leukemia Mononuclear	
		Thrombosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 49	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 599
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31060

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Prostate		Hyperplasia	Mild
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Accessory Spleen	
		Leukemia Mononuclear	
[Accessory Spleen TGLS = 2-12]			
[Leukemia Mononuclear TGLS = 1-12]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 50	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 609
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 4-7]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-12]			
* Prostate		Hyperplasia	Minimal
* Spleen		Fibrosis	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 2-13]			

PRIMARY CAUSE OF DEATH - Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 201	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 627
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	
		Regeneration	Marked
[Leukemia Mononuclear TGLS = 10-4]			
[Regeneration TGLS = 8,9-13+12]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3+3A+20]			
Lymph Node	Renal	Leukemia Mononuclear	
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 201	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 627
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31312

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Lymph node with no site listed was axillary.			
[Leukemia Mononuclear TGLS = 11-18]			
[Leukemia Mononuclear TGLS = 12-19]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-14]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-17]			
* Nose	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 3-8]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 6-16]			
[Leukemia Mononuclear TGLS = 5-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 202	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 716
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
Penis	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	Minimal
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 9-5]			
* Liver		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-4]			
* Lung		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
* Parathyroid Gland		Hyperplasia	Marked
Penis			
Note: "Distended" penis noted at necropsy was normal microscopically.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 202	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 716
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31313

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate			
Note: "Enlarged, 1.5cm dia" prostate noted at necropsy was within normal limits microscopically.			
* Skin		Cyst Epithelial Inclusion	
	Subcut Tiss	Edema	Moderate
		Inflammation	Chronic Active, Moderate
Note: "Nodule, 2mm dia, pale" described at necropsy was not apparent microscopically.			
[Cyst Epithelial Inclusion TGLS = 1-14]			
[Edema TGLS = 4-16]			
[Inflammation TGLS = 3-17]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 8-4]			
* Stom Gland			
Note: "Nodule, 5mm dia, pale" noted at necropsy was normal fold in mucosa.			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6,7-12+7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 203	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 686
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31314

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Parathyroid Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone		Hyperostosis	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	Moderate
[Thrombosis TGLS = 6-4]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3+3A+12]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 203	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 686
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31314

ORGAN AND ACCOUNTABLE SITE STATUS

	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
		Thrombosis	Moderate
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 2-8]			
* Salivary Glands		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,7-13+14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 204	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 606
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31315

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	* Larynx
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 204	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 606
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31315

ORGAN AND ACCOUNTABLE SITE STATUS

	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
		Thrombosis	Minimal
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1,3-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 205	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 693
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31316

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	* Larynx
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	Moderate
[Thrombosis TGLS = 1-4]			
* Kidney		Infarct	Mild
		Leukemia Mononuclear	
		Nephropathy	Moderate
[Infarct TGLS = 4,5-14+13]			
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 6-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 205	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 693
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31316

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
		Thrombosis	Moderate
* Pancreas		Atrophy	Moderate
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 8-7]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 206	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 462
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31317

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Moderate
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Fibrosis	Minimal
[Fibrosis TGLS = 2-4]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 207	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 555
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

Eye	Retina	Atrophy	Marked
		Cataract	Marked
[Cataract TGLS = 1-12]			
* Kidney		Nephropathy	Moderate
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Prostate		Inflammation	Chronic Active, Marked
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 208	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 726
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31319

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Moderate
	Atrium	Thrombosis	Moderate
* Kidney	Renal Tubule	Adenoma	
		Cyst	Mild
	Renal Tubule	Hyperplasia	Minimal
		Mineralization	Marked
		Nephropathy	Marked
[Cyst TGLS = 9-14]			
[Nephropathy TGLS = 3-5+14]			
* Liver		Basophilic Focus	
		Degeneration	Fatty, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
[Degeneration TGLS = 4-4]			
* Lung	Artery, Mediastinum	Mineralization	Marked
		Mineralization	Moderate
		Thrombosis	Mild
[Mineralization TGLS = 7-3+3A]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 208	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 726
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31319

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Galactocele	Moderate
[Galactocele TGLS = 6-13]			
Mesentery	Artery	Mineralization	Marked
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 5-12]			
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 8-4]			
* Stomach, Forestomach		Mineralization	Moderate
		Necrosis	Marked
[Necrosis TGLS = 11-15]			
* Stomach, Glandular		Mineralization	Marked
		Necrosis	Mild
[Necrosis TGLS = 12-15]			
* Testes	Interstit Cell	Adenoma	
	Artery	Inflammation	Chronic Active, Mild
[Adenoma TGLS = 10-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 209	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31320

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Cyst	Moderate
		Lipoma	
		Nephropathy	Marked
[Cyst TGLS = 10-13]			
[Nephropathy TGLS = 9-5+13]			
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
[Degeneration TGLS = 7,8-12]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-16]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
* Pancreas		Adenoma	
* Parathyroid Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 209	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31320

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Prostate		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 5-15]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 11-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 210	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 571
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			
MISSING			
* Esophagus	* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland
OBSERVATIONS			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Fatty, Mild
		Eosinophilic Focus	
[Degeneration TGLS = 3-13]			
[Eosinophilic Focus TGLS = 2-12]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Stomach, Forestomach		Necrosis	Marked
[Necrosis TGLS = 5-8]			
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 211	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal	* Mammary Gland	* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone		Hyperostosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
		Necrosis	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Mild
		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Degeneration TGLS = 3,4-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 211	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31322

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 212	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 477
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31323

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
Eye		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 2-11]			
Harderian Gland		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 3-13]			
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Lung	Perivascular	Infiltration Cellular	Mononuclear Cl, Moderate
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Intermed	Hyperplasia	Moderate
* Prostate		Inflammation	Chronic Active, Mild
* Salivary Glands		Inflammation	Chronic Active, Mild
* Skin		Inflammation	Chronic Active, Marked
		Necrosis	Marked
[Inflammation TGLS = 1-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Cyst	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 212	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 477
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31323

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Skin Inflammation

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 213	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 609
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31324

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
		Regeneration	Mild
[Regeneration TGLS = 5-13]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 213	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 609
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31324

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 4-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 214	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 490
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31325

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

Eye		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 3-11]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Fatty, Minimal
* Lung			
Note: There was no microscopic finding to account for the "pale" lungs noted at necropsy.			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Olfactory Epi	Fibrosis	Minimal
	Lateral Wall	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Skin		Inflammation	Acute, Marked
[Inflammation TGLS = 2-12]			
* Stom Forestom			
Note: "Lesion, 3mm dia, pale" noted at necropsy was normal variation in morphology of forestomach.			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 214	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 490
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31325

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 215	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 622
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31326

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	* Larynx
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Minimal
		Thrombosis	Moderate
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 215	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 622
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31326

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Stom Gland			
Note: "Lesion, 1x2mm, dark" noted at trim was not apparent microscopically.			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 216	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 490
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31327

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-1+12]			
* Heart		Leukemia Mononuclear	
	Atrium	Thrombosis	Mild
* Kidney		Infarct	Mild
		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Hepatodiaphragmatic Nodule TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 216	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 490
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31327

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
		Thrombosis	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
		Necrosis	Mild
[Leukemia Mononuclear TGLS = 2-13]			
[Necrosis TGLS = 3-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 217	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 689
	DOSE: 2.0 PPM	**DISP:** Natural Death	**HISTO:** 31328

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea

MISSING

* Esophagus	* Thymus

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Seminal Vesicle

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 3-5+12]			
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Necrosis	Mild
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-13]			
* Prostate		Inflammation	Chronic Active, Marked
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 217	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 689
	DOSE: 2.0 PPM	**DISP:** Natural Death	**HISTO:** 31328

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Marked
[Hyperplasia TGLS = 4-8]			
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 218	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 604
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31329

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
		Degeneration	Fatty, Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
		Regeneration	Mild
[Leukemia Mononuclear TGLS = 3-4]			
[Regeneration TGLS = 7,8-4+14]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Leukemia Mononuclear	
[Alveolar/Bronchiolar Adenoma TGLS = 4-12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 218	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 604
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31329

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-13]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-13]			
[Leukemia Mononuclear TGLS = 2-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 219	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 652
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31330

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
	Atrium	Thrombosis	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 219	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 652
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31330

ORGAN AND ACCOUNTABLE SITE STATUS

	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
		Thrombosis	Marked
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Skin	Subcut Tiss	Fibroma	
Note: "SQ bilateral, mass, 6mm dia, pale" was normal adipose tissue and mammary gland.			
[Fibroma TGLS = 6-13]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 1-12]			
[Leukemia Mononuclear TGLS = 2-12]			
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 220	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 705
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31331

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	* Larynx
* Mammary Gland	* Parathyroid Gland	* Prostate	* Stomach, Glandular
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney	Renal Tubule	Hyperplasia	Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 17-3A]			
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		Leukemia Mononuclear	
Note: Lymph nodes with no site were axillary and femoral nodes.			
[Leukemia Mononuclear TGLS = 3,10-18+19]			
[Leukemia Mononuclear TGLS = 15-20]			
[Leukemia Mononuclear TGLS = 16-21]			
[Leukemia Mononuclear TGLS = 19-22]			
* Lymph Node, Bronchial		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 220	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 705
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31331

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-17]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-12]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 7-8]			
* Preputial Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8,9-16+7]			
* Salivary Glands		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 8-16]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11,12-13]			
* Stomach, Forestomach		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 18-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 13-7]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Thyroid Gland	C Cell	Adenoma	
* Urinary Bladder		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 220	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 705
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31331

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 221	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 637
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Mammary Gland	* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Minimal
		Thrombosis	Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 222	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 490
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31333

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
MISSING			
* Lymph Node, Mediastinal	* Mammary Gland	* Thymus	
OBSERVATIONS			
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Lung			
Note: "Mottled red" appearance was secondary to carbon dioxide euthanasia.			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
* Testes	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 223	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31334

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-15]			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5,6-5]			
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Mesothelioma Malignant	
Note: "Nodule, 5mm dia" noted at trim was variation in normal lobar morphology.			
[Angiectasis TGLS = 10-13]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 7,11-18+17]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
* Pancreas		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 223	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31334

ORGAN AND ACCOUNTABLE SITE STATUS

Peritoneum	Tunica Vaginal	Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-16]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Prostate		Mesothelioma Malignant	
* Seminal Vesicle		Mesothelioma Malignant	
* Spleen		Mesothelioma Malignant	
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
[Adenoma TGLS = 8-14]			
[Mesothelioma Malignant TGLS = 2-14]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Mesothelioma Malignant	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 224	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31335

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Mammary Gland

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Leukemia Mononuclear	
[Angiectasis TGLS = 4-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 224	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31335

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 225	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 491
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31336

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	* Larynx
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	
		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 225	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 491
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31336

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 226	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 694
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31337

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	Mild
		Nephropathy	Moderate
[Cyst TGLS = 8-14]			
[Nephropathy TGLS = 7-5]			
* Liver		Degeneration	Fatty, Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5,6-4+13]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Minimal
	Lateral Wall	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 226	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 694
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31337

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 227	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 399
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31338

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver			
Note: "Pale" liver noted at necropsy may have been due to anemia secondary to large preputial tumor.			
* Lung			
Note: There was no microscopic finding to account for the "mottled" appearance noted at necropsy.			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 3-12+13]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 228	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 543
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31339

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone	Turbinate	Osteosarcoma	
Note: Neoplasm was in nasal levels 2 & 3.			
Note: There was no microscopic finding to account for the sternal "deformity" noted at necropsy.			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Fatty, Minimal
	Bile Duct	Hyperplasia	Minimal
[Degeneration TGLS = 4-4]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Adenoma	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5,6-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 228	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 543
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31339

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue			
Note: There was no microscopic finding to account for the "focus, 1-3mm, multiple, brown" noted at necropsy.			
PRIMARY CAUSE OF DEATH	- Bone Turbinate Osteosarcoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 229	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31340

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	* Larynx	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Leukemia Mononuclear TGLS = 7-5]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 6-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3+3A+18]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-17]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 229	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31340

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-13]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-14]			
Mesentery	Fat	Hemorrhage	Mild
		Leukemia Mononuclear	
[Hemorrhage TGLS = 13-20]			
[Leukemia Mononuclear TGLS = 12-19]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
		Thrombosis	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-16]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Stom Gland			
Note: "Lesion, 1mm dia" noted at trim was not apparent microscopically.			
* Testes	Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 230	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 578
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Marked
* Liver		Degeneration	Fatty, Marked
* Mammary Gland		Fibroadenoma	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-12]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Skin	Tail	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 4-13]			
* Stomach, Forestomach		Inflammation	Acute, Mild
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 230	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 578
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31341

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 231	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 560
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6,7-1+16]			
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-15]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 231	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 560
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31342

ORGAN AND ACCOUNTABLE SITE STATUS

	Artery	Inflammation	Moderate
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Stomach, Glandular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8+13]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 232	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 601
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31343

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
* Lung			
Note: There was no microscopic finding to account for the "mottled pale/dark" appearance noted at necropsy.			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Skin	Tail	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 2-12]			
* Stom Gland			
Note: "Diverticulum, 5x4mm dia, dark" noted at necropsy was not apparent microscopically.			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 6-13]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 232	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 601
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31343

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 233	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 609
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31344

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	* Larynx
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Mammary Gland	* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 233	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 609
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31344

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Metaplasia	Minimal
		Thrombosis	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 1-12]			
[Leukemia Mononuclear TGLS = 3-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 234	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 477
	DOSE: 2.0 PPM	**DISP:** Natural Death	**HISTO:** 31345

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung			
Note: "Focus, 5x2mm, pale" noted at necropsy was not apparent microscopically.			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 235	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 525
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 235	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 525
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31346

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Adenoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 236	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 623
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31347

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Preputial Gland	* Prostate
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Bone		Hyperostosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6,7-4]			
* Lung		Leukemia Mononuclear	
		Metaplasia	Squamous, Mild
[Leukemia Mononuclear TGLS = 1-3+3A]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 236	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 623
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31347

ORGAN AND ACCOUNTABLE SITE STATUS

	Lateral Wall	Hyperplasia	Moderate
	Respirat Epith	Hyperplasia	Mild
		Thrombosis	Marked
* Parathyroid Gland		Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
[Necrosis TGLS = 5,8-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,4-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 237	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 609
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
		Degeneration	Fatty, Minimal
[Degeneration TGLS = 2-4+13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-12]			
* Prostate		Inflammation	Chronic Active, Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 238	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 686
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31349

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
Note: "Cyst, 2mm dia, pale" noted at necropsy was normal vein.			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Prostate		Hyperplasia	Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1,6-12+13+14]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4,5-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 238	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 686
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31349

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 239	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 581
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone		Hyperostosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Hepatocellular Adenoma TGLS = 9-4]			
[Leukemia Mononuclear TGLS = 6-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 7-14]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 239	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 581
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31350

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
		Thrombosis	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Inflammation	Acute, Mild
	Subcut Tiss	Schwannoma Malignant	
[Inflammation TGLS = 1-13]			
[Schwannoma Malignant TGLS = 2-15]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-12]			
[Leukemia Mononuclear TGLS = 3-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 240	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 578
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31351

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	* Islets, Pancreatic	* Larynx	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Small, Jejunum		Carcinoma	
[Carcinoma TGLS = 4-13]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 240	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 578
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31351

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH	- Intestine Small, Jejunum	Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 241	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 689
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31352

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	* Larynx
* Mammary Gland	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 6,7-5]			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 8-5]			
* Liver		Degeneration	Cystic, Marked
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Degeneration TGLS = 9-4]			
[Leukemia Mononuclear TGLS = 10-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 241	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 689
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31352

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Mild
		Thrombosis	Moderate
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 2-8]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-7]			
* Skin		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 242	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 721
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31353

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thymus	* Trachea

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 5-5+16]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2,6-4+12]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-17]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 242	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 721
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31353

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Lateral Wall	Adenoma	
	Olfactory Epi	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 1-8]			
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
[Fibrosis TGLS = 4,7-15+14]			
[Leukemia Mononuclear TGLS = 3-13]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 10-8]			
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

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

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 243	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 637
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31354

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Parathyroid Gland

INSUFFICIENT TISSUE

* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Marked
* Kidney	Renal Tubule	Hyperplasia	Mild
		Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Necrosis	Moderate
[Necrosis TGLS = 3,4-4]			
* Lung	Artery, Mediastinum	Mineralization	Moderate
		Mineralization	Moderate
[Mineralization TGLS = 6-3]			
Mesentery	Artery	Mineralization	Moderate
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 243	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 637
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31354

ORGAN AND ACCOUNTABLE SITE STATUS

	Lateral Wall	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
* Stomach, Forestomach		Mineralization	Mild
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-7]			
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 244	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 691
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31355

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
		Necrosis	Moderate
* Brain		Necrosis	Mild
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 8-5]			
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 9-4]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Leukemia Mononuclear	
[Alveolar/Bronchiolar Adenoma TGLS = 4-3]			
[Leukemia Mononuclear TGLS = 3-3]			
Lymph Node		Leukemia Mononuclear	
Note: Lymph node with no site was hepatic lymph node.			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 244	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 691
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31355

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 10-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-13]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
		Thrombosis	Mild
* Pancreas		Atrophy	Moderate
* Pituitary Gland		Leukemia Mononuclear	
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 7-12]			
[Leukemia Mononuclear TGLS = 6-12]			
* Stomach, Glandular		Necrosis	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
* Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 245	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 678
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31356

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	* Larynx
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Mammary Gland	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Marked
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 7-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
		Thrombosis	Marked
* Pancreas		Atrophy	Mild
		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 245	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 678
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31356

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Prostate		Hyperplasia	Mild
		Inflammation	Chronic Active, Moderate
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 2-13]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5,6-12]			
* Stomach, Glandular		Necrosis	Moderate
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 246	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 616
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Glandular	* Testes	* Trachea

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone		Hyperostosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
[Leukemia Mononuclear TGLS = 7-5]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 5,9-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3+3A]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-12]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 246	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 616
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31357

ORGAN AND ACCOUNTABLE SITE STATUS

	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
	Olfactory Epi	Metaplasia	Minimal
		Thrombosis	Minimal
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,8-4+13]			
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
[Hyperplasia TGLS = 10-8]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 247	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 644
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31358

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 10,11-5]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
[Hyperplasia TGLS = 13-12]			
* Mammary Gland		Galactocele	Mild
[Galactocele TGLS = 1,2-14+15]			
Mesentery	Fat	Necrosis	Mild
Note: "Focus, .4 x.3 cm, dark" noted at necropsy was blood in normal vasculature.			
[Necrosis TGLS = 7-18]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 6-13]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 247	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 644
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31358

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 4-17]			
* Stomach, Forestomach		Necrosis	Marked
* Testes	Interstit Cell	Adenoma	
		Atrophy	Mild
[Adenoma TGLS = 8-7]			
[Atrophy TGLS = 9-7]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 3-2]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 248	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 616
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
		Necrosis	Moderate
* Heart		Leukemia Mononuclear	
* Intestine Small, Ileum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 6-5]			
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3+3A]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Hemorrhage	Mild
[Hemorrhage TGLS = 7-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 248	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 616
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31359

ORGAN AND ACCOUNTABLE SITE STATUS

	Lateral Wall	Hyperplasia	Moderate
	Respirat Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Pancreas		Hyperplasia	Mild
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Adenoma	
[Adenoma TGLS = 3-13]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 249	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 660
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Minimal
		Leukemia Mononuclear	
* Lung		Foreign Body	
		Inflammation	Suppurative, Marked
		Leukemia Mononuclear	
[Inflammation TGLS = 1-3]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Prostate		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 249	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 660
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31360

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 4-8]		
* Skin		
Note: "SQ, groin, lesion, 7mm dia, dark/mottled, friable" noted at necropsy was normal secretion in preputial gland duct.		
* Spleen		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 5-12]		
* Testes	Bilateral, Interstit Cell	Adenoma

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 250	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-7]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 250	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31361

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 401	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Minimal
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 2-7]			
* Prostate		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 401	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31212

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	Tail	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-12]			
* Stom Gland			
Note: "Nodule, 4mm dia, pale" was not seen at trim and was not apparent microscopically.			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 402	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Adenoma	
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 402	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31213

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 403	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 554
	DOSE: 8.0 PPM	**DISP:** Natural Death	**HISTO:** 31214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Small, Duodenum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Complex	
		Pheochromocytoma Malignant	
[Pheochromocytoma Complex TGLS = 4-13]			
[Pheochromocytoma Malignant TGLS = 4-13]			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
		Stromal Hyperplasia	Moderate
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
[Basophilic Focus TGLS = 7-4]			
[Hepatodiaphragmatic Nodule TGLS = 3-14]			
* Lung		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 9-18]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 403	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 554
	DOSE: 8.0 PPM	**DISP:** Natural Death	**HISTO:** 31214

ORGAN AND ACCOUNTABLE SITE STATUS

	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 5-15]			
* Skin		Inflammation	Granulomatous, Marked
[Inflammation TGLS = 1-16]			
* Stomach, Glandular		Necrosis	Mild
[Necrosis TGLS = 8-17]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Carcinoma	
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 404	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 505
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Tension Lipidosis	
[Tension Lipidosis TGLS = 2-12]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Minimal
* Pancreas		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Testes		Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild
[Atrophy TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 404	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 505
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31215

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 405	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 688
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Inflammation	Suppurative, Mild
* Kidney		Hydronephrosis	Mild
	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Marked
[Hydronephrosis TGLS = 4-5]			
[Nephropathy TGLS = 3-5]			
* Liver		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Degeneration TGLS = 7,13-4+18]			
Lymph Node	Renal	Hemorrhage	Mild
[Hemorrhage TGLS = 5-17]			
Mesentery	Fat	Hemorrhage	Mild
[Hemorrhage TGLS = 9-16]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Olfactory Epi	Fibrosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 405	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 688
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31216

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 6-15]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 2-12]			
* Stomach, Forestomach		Necrosis	Marked
[Necrosis TGLS = 11-13]			
* Stomach, Glandular		Mineralization	Moderate
		Necrosis	Moderate
[Necrosis TGLS = 12-14]			
* Testes	Interstit Cell	Adenoma	
	Artery	Inflammation	Chronic Active, Minimal
[Adenoma TGLS = 8-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 406	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
[Degeneration TGLS = 3,4-4+12]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Preputial Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 6-7]			
* Stomach, Forestomach		Necrosis	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 406	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31217

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Artery	Inflammation	Chronic Active, Moderate
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hyperplasia	Mild

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

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 407	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 7-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Hepatodiaphragmatic Nodule	
		Histiocytic Sarcoma	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 10-14]			
[Leukemia Mononuclear TGLS = 5,6-13+4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-17]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 407	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31218

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Pigmentation	Marked
Note: Pigment was hemosiderin and other breakdown products of red blood cells from intra-abdominal hemorrhage.			
[Pigmentation TGLS = 13-19]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Minimal
* Pancreas		Atrophy	Mild
Peritoneum		Mesothelioma Malignant	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 2-8]			
* Prostate		Hyperplasia	Mild
* Skin	Tail	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 9-12]			
* Spleen		Histiocytic Sarcoma	
		Leukemia Mononuclear	
		Mesothelioma Malignant	
[Histiocytic Sarcoma TGLS = 11-16]			
[Leukemia Mononuclear TGLS = 4-15+16]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Urinary Bladder		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-18]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 407	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31218

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 408	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 700
	DOSE: 8.0 PPM	**DISP:** Natural Death	**HISTO:** 31219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-1]			
* Heart		Leukemia Mononuclear	
* Kidney	Renal Tubule	Adenoma	
		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Leukemia Mononuclear	
	Centrilobular	Necrosis	Moderate
[Leukemia Mononuclear TGLS = 6-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-12]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 408	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 700
	DOSE: 8.0 PPM	**DISP:** Natural Death	**HISTO:** 31219

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 7-15]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Stomach, Glandular		Necrosis	Mild
[Necrosis TGLS = 10-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 409	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 5-13]			
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 409	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31220

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Adenoma	
[Adenoma TGLS = 6-13]			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-12]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-7]			
* Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 410	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 692
	DOSE: 8.0 PPM	**DISP:** Natural Death	**HISTO:** 31221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pituitary Gland	* Prostate	* Spleen	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Preputial Gland	* Salivary Glands

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Necrosis	Moderate
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Marked
	Artery	Mineralization	Marked
* Kidney		Mineralization	Marked
		Nephropathy	Marked
[Nephropathy TGLS = 4-5+12]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Artery, Mediastinum	Mineralization	Marked
		Mineralization	Marked
[Mineralization TGLS = 2-3+3A]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 410	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 692
	DOSE: 8.0 PPM	**DISP:** Natural Death	**HISTO:** 31221

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pancreas		Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Marked
* Seminal Vesicle		Mineralization	Moderate
* Skin		Inflammation	Chronic Active, Minimal
		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-13]			
* Stomach, Forestomach		Mineralization	Moderate
* Stomach, Glandular		Mineralization	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	Follicular Cel	Adenoma	
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 411	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 428
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31222

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	* Larynx
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3+3A]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
		Leukemia Mononuclear	
Note: Lymph node with no site was axillary.			
[Leukemia Mononuclear TGLS = 4-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-2]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 411	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 428
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31222

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-13]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
	Olfactory Epi	Metaplasia	Minimal
		Thrombosis	Moderate
* Pituitary Gland		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 412	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Mild
	Vacuolization Cytoplasmic	Mild
* Adrenal Medulla	Hyperplasia	Moderate
	Pheochromocytoma Benign	
* Heart	Cardiomyopathy	Moderate
* Intestine Large, Cecum	Parasite Metazoan	
* Islets, Pancreatic	Adenoma	
* Kidney	Leukemia Mononuclear	
	Nephropathy	Marked
	Stromal Nephroma	
[Nephropathy TGLS = 6-5]		
[Stromal Nephroma TGLS = 7-14]		
* Liver	Basophilic Focus	
	Leukemia Mononuclear	
* Lung	Leukemia Mononuclear	
* Lymph Node, Mandibular	Leukemia Mononuclear	
* Lymph Node, Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Mammary Gland	Carcinoma	
	Fibroadenoma	
[Carcinoma TGLS = 9-16]		
[Fibroadenoma TGLS = 8-15]		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 412	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31223

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Olfactory Epi	Fibrosis	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Preputial Gland		Adenoma	
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-13]			
[Leukemia Mononuclear TGLS = 4-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 413	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 716
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 15,16-16+4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-18]			
[Leukemia Mononuclear TGLS = 13-14]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Mild
[Galactocele TGLS = 12-12]			
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 413	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 716
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31224

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 9-20]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Prostate		Hyperplasia	Mild
* Skin		Basal Cell Adenoma	
	Tail	Inflammation	Chronic Active, Moderate
[Basal Cell Adenoma TGLS = 6-19]			
[Inflammation TGLS = 11-13]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2,3-17]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 10,17-7]			
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 7-2]			

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 414	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 646
	DOSE: 8.0 PPM	**DISP:** Natural Death	**HISTO:** 31225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-12]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Testes	Artery	Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 414	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 646
	DOSE: 8.0 PPM	**DISP:** Natural Death	**HISTO:** 31225

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 415	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 588
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31226

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	* Larynx
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Hepatodiaphragmatic Nodule TGLS = 5-15]			
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2,3-12+13]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-14]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 415	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 588
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31226

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Moderate
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
	Olfactory Epi	Metaplasia	Mild
		Thrombosis	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-14]			
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 416	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 639
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31227

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	* Larynx
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial

INSUFFICIENT TISSUE

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Leukemia Mononuclear TGLS = 4-5]			
* Liver		Angiectasis	Moderate
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Angiectasis TGLS = 3-4]			
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 416	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 639
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31227

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild
		Thrombosis	Minimal
* Pancreas		Atrophy	Mild
		Leukemia Mononuclear	
* Prostate		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 417	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 635
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Necrosis	Moderate
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Stomach, Forestomach		Necrosis	Marked
[Necrosis TGLS = 5-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 417	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 635
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31228

ORGAN AND ACCOUNTABLE SITE STATUS

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

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 418	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Renal Tubule	Adenoma	
		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: "Nodule, 5mm dia" noted at trim was normal variation in lobar morphology.			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-13]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 418	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31229

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
* Parathyroid Gland		Hyperplasia	Mild
* Skin		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 1,2-14]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

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

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 419	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31230

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	* Larynx
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 17-5]			
* Liver		Degeneration	Cystic, Moderate
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 9-4]			
* Lung		Carcinoma	Metastatic (Preputial Gland)
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		Leukemia Mononuclear	

Note: Lymph node with no site was axillary node.
[Leukemia Mononuclear TGLS = 10-17]

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 419	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31230

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 12-18]			
[Leukemia Mononuclear TGLS = 11-20]			
[Leukemia Mononuclear TGLS = 13-19]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 16-13]			
* Mammary Gland		Galactocele	Mild
[Galactocele TGLS = 1-15]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
	Olfactory Epi	Metaplasia	Minimal
* Pancreas		Atrophy	Moderate
		Leukemia Mononuclear	
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 4-8]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 5-16]			
* Skin		Basal Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 419	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31230

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Chronic Active, Moderate
[Basal Cell Carcinoma TGLS = 14-21]			
[Inflammation TGLS = 15-14]			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 7-12]			
[Leukemia Mononuclear TGLS = 8-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 420	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 592
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-17]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3+3A]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-12+13+14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 420	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 592
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31231

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Minimal
Oral Mucosa	Pharyngeal	Hyperplasia	Marked
[Hyperplasia TGLS = 7-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 2-18]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 4-15]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-16]			
* Testes	Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 421	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 525
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31232

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	* Larynx
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 2,3,4-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 421	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 525
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31232

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Mild
		Thrombosis	Marked
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-4]			
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 422	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 666
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Preputial Gland	* Prostate
* Seminal Vesicle	* Stomach, Forestomach	* Testes	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone			
Note: "Sternum, deformity, 0.5x1.3 cm" noted at necropsy was within normal limits microscopically.			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Islets, Pancreatic		Carcinoma	
* Kidney		Histiocytic Sarcoma	
		Hydronephrosis	Mild
		Nephropathy	Marked
[Hydronephrosis TGLS = 6-5]			
[Nephropathy TGLS = 7-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Histiocytic Sarcoma	
	Bile Duct	Hyperplasia	Moderate
[Histiocytic Sarcoma TGLS = 9-4]			
* Lung		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 11,12-12+13]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 422	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 666
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31233

ORGAN AND ACCOUNTABLE SITE STATUS

	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-8]			
* Salivary Glands		Histiocytic Sarcoma	
* Skin		Basal Cell Adenoma	
	Subcut Tiss	Histiocytic Sarcoma	
		Keratoacanthoma	
[Basal Cell Adenoma TGLS = 4-17]			
[Histiocytic Sarcoma TGLS = 1,3-15+16]			
[Keratoacanthoma TGLS = 10-18]			
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 5-14]			
* Stomach, Glandular		Necrosis	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 423	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 7-5]			
* Liver		Angiectasis	Mild
		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Regeneration	Moderate
[Leukemia Mononuclear TGLS = 10-4]			
[Regeneration TGLS = 8-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Hyperplasia TGLS = 5-12]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Galactocele	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 423	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31234

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 11-15]			
[Galactocele TGLS = 9-17]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Prostate		Hyperplasia	Moderate
* Skin	Subcut Tiss	Fibroma	
	Tail	Inflammation	Chronic Active, Moderate
[Fibroma TGLS = 2-14]			
[Inflammation TGLS = 1-16]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 424	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 671
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 8-23]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3+3A]			
Lymph Node	Iliac	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-14]			
[Leukemia Mononuclear TGLS = 9-13]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-11]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 424	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 671
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31235

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-15]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Olfactory Epi	Fibrosis	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Minimal
		Leukemia Mononuclear	
	Olfactory Epi	Metaplasia	Minimal
		Thrombosis	Mild
* Pancreas		Atrophy	Moderate
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 4-8]			
* Skin	Tail	Inflammation	Chronic Active, Moderate
	Subcut Tiss, Tail	Thrombosis	Marked
[Inflammation TGLS = 13-17]			
[Thrombosis TGLS = 12-16]			
* Spleen		Hyperplasia	Focal, Marked
		Leukemia Mononuclear	
		Necrosis	Mild

Note: Focal hyperplasia was stromal hyperplasia.
[Hyperplasia TGLS = 6,7-19+20+21+18]
[Leukemia Mononuclear TGLS = 5-18]
[Necrosis TGLS = 14-22]

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 424	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 671
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31235

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 15-7]		
* Thymus		Leukemia Mononuclear
* Thyroid Gland	C Cell	Adenoma
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 425	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 580
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Small, Ileum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 8,11-4+13]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3+3A+12]			
Lymph Node	Iliac	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-19]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-17]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 425	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 580
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31236

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
	Olfactory Epi	Metaplasia	Minimal
		Thrombosis	Marked
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 3-18]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
[Fibrosis TGLS = 6-16]			
[Leukemia Mononuclear TGLS = 5-14]			
[Necrosis TGLS = 7-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 426	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 492
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Cyst	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Cyst TGLS = 14-14]			
[Leukemia Mononuclear TGLS = 10,13-4+13]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-12]			
Lymph Node	Iliac	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 426	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 492
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31237

ORGAN AND ACCOUNTABLE SITE STATUS

	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		Leukemia Mononuclear	
Note: Lymph node with no site was axillary.			
[Leukemia Mononuclear TGLS = 6-19]			
[Leukemia Mononuclear TGLS = 8-23]			
[Leukemia Mononuclear TGLS = 7-22]			
[Leukemia Mononuclear TGLS = 3-17]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-20]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 4,5-18]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 16-16]			
[Leukemia Mononuclear TGLS = 1,15-15]			
* Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 427	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 536
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31238

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	* Larynx
* Parathyroid Gland	* Prostate	* Salivary Glands	* Skin
* Testes	* Trachea		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
[Leukemia Mononuclear TGLS = 15-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9,10,11-4+14]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,4,5-12+3]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-19]			
[Leukemia Mononuclear TGLS = 8-18]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-17]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 427	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 536
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31238

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 14-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 16-15]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 6-8]			
* Preputial Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 13-7]			
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-13]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 17-16]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 428	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 670
	DOSE: 8.0 PPM	**DISP:** Natural Death	**HISTO:** 31239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Seminal Vesicle
* Thyroid Gland			

OBSERVATIONS

* Adrenal Cortex		Carcinoma	Metastatic (Kidney)
* Adrenal Medulla		Carcinoma	Metastatic (Kidney)
* Heart		Carcinoma	Metastatic (Kidney)
		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Carcinoma	
		Nephropathy	Moderate
[Carcinoma TGLS = 5-14+15+12]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung		Carcinoma	Metastatic (Kidney)
[Carcinoma TGLS = 1-3+3A]			
* Lymph Node, Bronchial		Carcinoma	Metastatic (Kidney)
* Lymph Node, Mediastinal		Carcinoma	Metastatic (Kidney)
* Lymph Node, Mesenteric		Carcinoma	Metastatic (Kidney)
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Olfactory Epi	Fibrosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 428	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 670
	DOSE: 8.0 PPM	**DISP:** Natural Death	**HISTO:** 31239

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Minimal
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Carcinoma	Metastatic (Kidney)
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 3-13]			
* Spleen		Angiectasis	Mild
* Stomach, Forestomach		Necrosis	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
PRIMARY CAUSE OF DEATH	- Kidney Transit Epithe Carcinoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 429	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 679
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Esophagus	* Lymph Node, Bronchial	* Mammary Gland	* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Malignant	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 7-5+13]			
* Liver		Degeneration	Fatty, Mild
Note: "Nodule, 1.2cm x .7cm" noted at necropsy was normal variation in lobar morphology.			
[Degeneration TGLS = 4-4]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: Prominent mitotic activity in some areas of squamous differentiation may indicate that this mass is actually adenosquamous carcinoma (term not a choice).			
Note: Carcinoma in right lung metastasized to left lung.			
[Alveolar/Bronchiolar Carcinoma TGLS = 1-12]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Olfactory Epi	Fibrosis	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 429	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 679
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31240

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Fibrosis	Mild
Note: "Small, 3cm dia" spleen described at necropsy was within normal limits microscopically, except for the "deformity" seen in slide 4.			
[Fibrosis TGLS = 6-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 8,9-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Lung Alveolar/Bronchiolar Carcinoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 430	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 478
	DOSE: 8.0 PPM	**DISP:** Natural Death	**HISTO:** 31241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx
* Liver	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Seminal Vesicle

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Moderate
	Respirat Epith	Hyperplasia	Mild
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 431	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 585
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver			
Note: "Pale" liver noted at necropsy was due to anemia secondary to preputial neoplasm. "Focus, 1-2mm dia, white, multiple" was not apparent microscopically.			
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 7-12]			
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Minimal
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 3,4-13]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 431	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 585
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31242

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 8-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-7]			
PRIMARY CAUSE OF DEATH	- Preputial Gland Carcinoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 432	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 473
	DOSE: 8.0 PPM	**DISP:** Natural Death	**HISTO:** 31243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Colon

OBSERVATIONS

Eye		Cataract	Minimal
Note: There was no microscopic finding to account for the "small, 4mm dia" eye described at necropsy.			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Lung			
Note: "Mottled, dark red" appearance noted at necropsy was due to post mortem pooling of blood.			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 432	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 473
	DOSE: 8.0 PPM	**DISP:** Natural Death	**HISTO:** 31243

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 2-7]		
PRIMARY CAUSE OF DEATH	- UNCERTAIN	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 433	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 559
	DOSE: 8.0 PPM	**DISP:** Natural Death	**HISTO:** 31244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Moderate
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 434	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 3-5+12]			
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic Active, Minimal
* Skin	Subcut Tiss	Fibroma	Multiple
[Fibroma TGLS = 1,2,5-15+16+14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-13]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 434	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31245

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Skin Subcut Tiss Fibroma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 435	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 571
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Fatty, Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-4]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
	Lateral Wall	Metaplasia	Squamous, Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Stomach, Forestomach		Necrosis	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 436	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 547
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
Note: "Dilatation" noted at necropsy was due to post mortem blood clot.			
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,4-3+3A]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Moderate
	Respirat Epith	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 436	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 547
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31247

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-13+14]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-12]			
* Testes	Interstit Cell	Adenoma	
		Atrophy	Moderate
[Adenoma TGLS = 5-7]			
[Atrophy TGLS = 6-7]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 437	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 621
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Mild
[Galactocele TGLS = 1-12]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 437	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 621
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31248

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Metaplasia	Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 2-8]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 4-13]			
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Necrosis	Mild
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 438	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 572
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31249

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	* Larynx
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Cyst	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Cyst TGLS = 6-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3+3A]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 438	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 572
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31249

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Marked
	Lateral Wall	Metaplasia	Squamous, Mild
	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
		Thrombosis	Marked
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-12]			
* Stomach, Forestomach		Necrosis	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 439	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 546
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Pancreas	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Thymus

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Nephroblastoma	
		Nephropathy	Mild
[Nephroblastoma TGLS = 1-13+14+15]			
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
* Parathyroid Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 439	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 546
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31250

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

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

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 440	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 666
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 11-5]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 10-4]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 3-3A]			
[Leukemia Mononuclear TGLS = 1,2-3]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 440	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 666
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31251

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-13]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
		Thrombosis	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	
[Fibrosis TGLS = 9-14]			
[Leukemia Mononuclear TGLS = 8-12]			
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6,7-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 441	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 519
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mediastinal	* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone			
Note: There was no microscopic finding to explain the "deformity" noted at necropsy.			
* Kidney		Nephropathy	Mild
* Lung			
Note: "Focus, 3x4mm, dark" noted at necropsy was blood in normal vasculature.			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Olfactory Epi	Fibrosis	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 441	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 519
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31252

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 442	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 693
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Thyroid Gland	* Trachea		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex	Bilateral	Adenoma	
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone		Hyperostosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 8-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
		Regeneration	Marked
[Leukemia Mononuclear TGLS = 11-4]			
[Regeneration TGLS = 12-4]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 442	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 693
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31253

ORGAN AND ACCOUNTABLE SITE STATUS

[Alveolar/Bronchiolar Adenoma TGLS = 4-3A]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Mild
[Galactocele TGLS = 2-14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Moderate
	Respirat Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Olfactory Epi	Metaplasia	Minimal
		Thrombosis	Marked
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 5-8]			
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-13]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 10-12]			
[Leukemia Mononuclear TGLS = 9-12]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 7-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 442	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 693
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31253

ORGAN AND ACCOUNTABLE SITE STATUS

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

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 443	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 616
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31254

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	* Larynx
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
	Atrium	Thrombosis	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 7-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 443	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 616
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31254

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-12]			
[Necrosis TGLS = 3-13]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Olfactory Epi	Fibrosis	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Thrombosis	Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 2-8]			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 8-14]			
[Leukemia Mononuclear TGLS = 6-12]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 444	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 483
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31255

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	* Larynx
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 1-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 444	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 483
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31255

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Minimal
		Thrombosis	Marked
* Pancreas		Atrophy	Minimal
* Pituitary Gland		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 445	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 597
	DOSE: 8.0 PPM	**DISP:** Natural Death	**HISTO:** 31256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

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* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Seminal Vesicle

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Stomach, Forestomach		Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 445	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 597
	DOSE: 8.0 PPM	**DISP:** Natural Death	**HISTO:** 31256

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 446	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 7-5]			
* Liver		Basophilic Focus	
Note: "Cyst, 1-3mm, clear (3)" noted at necropsy was dilated veins and/or lymphatics on the surface.			
* Mammary Gland		Degeneration	Moderate
		Fibroadenoma	
[Degeneration TGLS = 1-12]			
[Fibroadenoma TGLS = 9-14]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-16]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 446	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31257

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Tail	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 8-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3,4-7]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Zymbal's Gland		Adenoma	
[Adenoma TGLS = 2-13]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 447	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 665
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31258

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	* Larynx
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6,7-12+13]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 447	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 665
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31258

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Olfactory Epi	Fibrosis	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
		Necrosis	Moderate
[Leukemia Mononuclear TGLS = 2-14]			
[Necrosis TGLS = 8-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 448	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 8.0 PPM	**DISP:** Natural Death	**HISTO:** 31259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Pituitary Gland	* Seminal Vesicle
* Thymus			

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* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Marked
* Intestine Large, Colon		Mineralization	Moderate
* Kidney		Mineralization	Marked
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Moderate
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 4-12]			
* Lung	Artery, Mediastinum	Mineralization	Moderate
		Mineralization	Marked
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 448	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 730
	DOSE: 8.0 PPM	**DISP:** Natural Death	**HISTO:** 31259

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Moderate
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas	Artery	Mineralization	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-13]			
* Stomach, Forestomach		Mineralization	Moderate
		Necrosis	Mild
* Stomach, Glandular		Mineralization	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 449	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 652
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Parasite Metazoan	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
	Nasopharyn Dct	Inflammation	Acute, Moderate
	Olfactory Epi	Metaplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 449	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 652
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31260

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Testes	Interstit Cell	Adenoma	
		Atrophy	Moderate
	Artery	Inflammation	Chronic Active, Moderate
[Adenoma TGLS = 1-7]			
[Atrophy TGLS = 2-7]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 450	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 6-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-4]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
[Fibroadenoma TGLS = 1-13]			
[Galactocele TGLS = 2-12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Olfactory Epi	Fibrosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 450	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31261

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Stomach, Forestomach		Necrosis	Mild
[Necrosis TGLS = 9-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 601	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 668
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
Blood Vessel	Aorta	Mineralization	Marked
[Mineralization TGLS = 6-4]			
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Mild
	Artery	Mineralization	Moderate
* Kidney		Mineralization	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 4-4+12]			
[Hepatodiaphragmatic Nodule TGLS = 3-4]			
* Lung	Artery, Mediastinum	Mineralization	Moderate
		Mineralization	Minimal
Mesentery	Artery	Mineralization	Moderate
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Moderate
	Glands	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 601	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 668
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31112

ORGAN AND ACCOUNTABLE SITE STATUS

	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Moderate
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic Active, Mild
* Stomach, Glandular		Mineralization	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-13+7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 602	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 594
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Thymus
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Marked
[Mineralization TGLS = 1-4]			
* Kidney		Mineralization	Marked
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Degeneration	Cystic, Mild
* Lung	Artery, Mediastinum	Mineralization	Moderate
		Mineralization	Marked
Lymph Node	Renal	Ectasia	Marked
[Ectasia TGLS = 4-12]			
Mesentery	Artery	Mineralization	Marked
[Mineralization TGLS = 5-6]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Moderate
	Glands	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 602	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 594
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31113

ORGAN AND ACCOUNTABLE SITE STATUS

	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Mild
	Lateral Wall	Metaplasia	Squamous, Mild
	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Stomach, Glandular		Mineralization	Marked
[Mineralization TGLS = 3-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Trachea		Inflammation	Suppurative, Moderate
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 603	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 606
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Marked
* Intestine Large, Colon		Mineralization	Mild
		Parasite Metazoan	
* Intestine Small, Ileum		Inflammation	Suppurative, Moderate
* Kidney		Mineralization	Marked
		Nephropathy	Marked
[Nephropathy TGLS = 1-5]			
* Liver	Centrilobular	Necrosis	Minimal
Note: "Focus, 1mm dia, dark" noted at trim was blood in normal vasculature.			
* Lung	Alveolar Epith	Hyperplasia	Mild
	Artery, Mediastinum	Mineralization	Marked
		Mineralization	Marked
[Mineralization TGLS = 7-3+3A]			
Lymph Node	Renal	Ectasia	Mild
[Ectasia TGLS = 10-15]			
Mesentery	Artery	Mineralization	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 603	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 606
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31114

ORGAN AND ACCOUNTABLE SITE STATUS

	Fat	Necrosis	Minimal
[Necrosis TGLS = 11-18]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Moderate
	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Moderate
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Mild
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Moderate
	Respirat Epith	Squamous Cell Carcinoma	
* Pancreas		Atrophy	Minimal
	Artery	Inflammation	Marked
[Inflammation TGLS = 2,3-16]			
* Parathyroid Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 6-2]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Skin		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 5-12]			
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 8-13]			
* Stomach, Forestomach		Mineralization	Moderate
* Stomach, Glandular		Mineralization	Marked
* Testes	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 604	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 568
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Mammary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Thymus

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Moderate
* Kidney		Mineralization	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver			
Note: "Focus, 1mm dia, dark" was blood in normal vasculature.			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Artery, Mediastinum	Mineralization	Marked
		Mineralization	Mild
* Lymph Node, Mediastinal		Hemorrhage	Mild
[Hemorrhage TGLS = 5-2]			
Mesentery	Artery	Mineralization	Moderate
[Mineralization TGLS = 4-12]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Moderate
	Glands	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 604	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 568
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31115

ORGAN AND ACCOUNTABLE SITE STATUS

	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Moderate
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas		Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Skin	Tail	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-13]			
* Stomach, Glandular		Mineralization	Moderate
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 605	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 469
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31116

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	* Larynx
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1,2-3+3A]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 605	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 469
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31116

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Mild
		Thrombosis	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 606	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 613
	DOSE: 32.0 PPM	**DISP:** Natural Death	**HISTO:** 31117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 4-5+14]			
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 5-12]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 606	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 613
	DOSE: 32.0 PPM	**DISP:** Natural Death	**HISTO:** 31117

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Artery	Inflammation	Marked
[Inflammation TGLS = 3-15]			
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	Tail	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-16]			
* Spleen		Necrosis	Mild
[Necrosis TGLS = 6-13]			
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7-7]			

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Pancreas Artery Inflammation

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 607	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 631
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 8-5]			
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 9-15]			
* Lung			
Note: "Cardiac, focus, 1x3mm, pale" noted at trim was not apparent microscopically.			
* Mammary Gland		Galactocele	Moderate
[Galactocele TGLS = 1,2,4-16+17+19]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 607	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 631
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31118

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Prostate		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 10,11-18]			
* Skin	Tail	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 13-11]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6,7-7]			
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 608	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 581
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 4-5+13]			
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 5-12]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-14]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 608	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 581
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31119

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Moderate
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas		Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Testes	Artery	Inflammation	Chronic Active, Moderate
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 609	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 609
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel	Aorta	Mineralization	Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Cyst	Mild
	Renal Tubule	Hyperplasia	Moderate
		Nephropathy	Marked
[Cyst TGLS = 4,6-5+13]			
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
	Artery, Mediastinum	Mineralization	Mild
Mesentery		Thrombosis	Moderate
[Thrombosis TGLS = 2-12]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 609	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 609
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31120

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Minimal
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-7]			
* Stomach, Glandular		Mineralization	Mild
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Thymoma Benign	
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 610	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 610
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
Harderian Gland		Hyperplasia	Minimal
[Hyperplasia TGLS = 2-12]			
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 7-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 6-4]			
* Lung		Leukemia Mononuclear	
Note: "Focus, 2mm dia, pale" noted at necropsy was not apparent microscopically.			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-2]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 610	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 610
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31121

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-17]			
* Mammary Gland		Galactocele	Mild
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
		Leukemia Mononuclear	
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
		Necrosis	Mild
[Leukemia Mononuclear TGLS = 4-13]			
[Necrosis TGLS = 5-14]			
* Stomach, Glandular		Necrosis	Minimal
[Necrosis TGLS = 10-15]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 611	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 682
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
[Mineralization TGLS = 8-4]			
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Marked
[Mineralization TGLS = 1-4]			
* Intestine Large, Colon		Mineralization	Moderate
[Mineralization TGLS = 7-14]			
* Kidney	Renal Tubule	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mineralization	Marked
		Nephropathy	Marked
[Nephropathy TGLS = 9-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-4]			
* Lung	Artery, Mediastinum	Mineralization	Marked
		Mineralization	Mild
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 611	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 682
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31122

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Artery	Mineralization	Marked
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Marked
	Lateral Wall	Hyperplasia	Moderate
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Moderate
* Pancreas		Atrophy	Minimal
	Artery	Mineralization	Marked
[Mineralization TGLS = 10-15]			
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Seminal Vesicle		Mineralization	Moderate
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-4+12]			
[Leukemia Mononuclear TGLS = 5-13]			
* Stomach, Forestomach		Mineralization	Mild
[Mineralization TGLS = 6-8]			
* Stomach, Glandular		Mineralization	Marked
[Mineralization TGLS = 6-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 612	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 476
	DOSE: 32.0 PPM	**DISP:** Natural Death	**HISTO:** 31123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Mammary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Stomach, Forestomach	* Testes	* Thymus
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Bone Marrow	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Seminal Vesicle
* Stomach, Glandular	* Thyroid Gland		

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Tail	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-12]			
* Spleen		Hemorrhage	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 612	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 476
	DOSE: 32.0 PPM	**DISP:** Natural Death	**HISTO:** 31123

ORGAN AND ACCOUNTABLE SITE STATUS

Leukemia Mononuclear

[Hemorrhage TGLS = 2-13]
[Leukemia Mononuclear TGLS = 3-13]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 613	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 638
	DOSE: 32.0 PPM	**DISP:** Natural Death	**HISTO:** 31124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

MISSING

* Thymus

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Necrosis	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Cyst	Moderate
		Mineralization	Mild
		Nephropathy	Marked
[Cyst TGLS = 8-5]			
[Nephropathy TGLS = 9-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
[Degeneration TGLS = 7-4]			
* Lung		Mineralization	Minimal
Lymph Node	Iliac	Ectasia	Marked
	Renal	Hemorrhage	Mild
[Ectasia TGLS = 10-16]			
[Hemorrhage TGLS = 11-15]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 613	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 638
	DOSE: 32.0 PPM	**DISP:** Natural Death	**HISTO:** 31124

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Atrophy	Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Minimal
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pancreas	Artery	Inflammation	Marked
	Artery	Mineralization	Mild
[Inflammation TGLS = 13-13]			
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Skin	Tail	Inflammation	Chronic Active, Marked
[Inflammation TGLS = 12-17]			
* Spleen		Hemorrhage	Moderate
[Hemorrhage TGLS = 4-11]			
* Stomach, Glandular		Mineralization	Moderate
* Testes	Interstit Cell	Adenoma	
	Artery	Inflammation	Chronic Active, Moderate
[Adenoma TGLS = 5-7]			
[Inflammation TGLS = 6-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hyperplasia	Mild
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 1-14]			

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 614	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 526
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31125

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	* Larynx
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 6-5]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Metaplasia	Osseous, Mild
[Leukemia Mononuclear TGLS = 4-3+3A]			
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-13]			
* Lymph Node, Bronchial		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 614	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 526
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31125

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 2-8]			
* Skin	Tail	Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 7-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 615	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 532
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Mammary Gland	* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
Note: "Focus, 1x4mm, pale" noted at necropsy was not apparent microscopically.			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Mild
		Hyperplasia	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 615	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 532
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31126

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Bilateral	Carcinoma	
[Carcinoma TGLS = 1,2-14+13]			
* Spleen			
Note: "Deformity, .2x1 cm" noted at necropsy was normal variation in surface morphology.			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Preputial Gland Bilateral Carcinoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 616	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 555
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Thymus

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Moderate
* Kidney		Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
* Lung	Artery, Mediastinum	Mineralization	Moderate
		Mineralization	Minimal
Mesentery	Artery	Mineralization	Mild
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Marked
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 616	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 555
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31127

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Metaplasia	Moderate
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 2-12]			
* Spleen		Fibrosis	Minimal
[Fibrosis TGLS = 3-4]			
* Stomach, Glandular		Mineralization	Moderate
* Testes	Artery	Inflammation	Chronic Active, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 617	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 601
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Necrosis	Mild
Note: Liver was pale due to anemia secondary to chronic nephropathy.			
* Lym Node Mesen			
Note: "Multiple, dark" lymph nodes noted at necropsy were within normal limits microscopically.			
Lymph Node	Renal	Hemorrhage	Minimal
[Hemorrhage TGLS = 5-12]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 617	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 601
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31128

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
Oral Mucosa	Pharyngeal	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 7-10]			
* Parathyroid Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-2]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Tail	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-13]			
* Stomach, Forestomach		Necrosis	Mild
* Stomach, Glandular		Mineralization	Minimal
		Necrosis	Mild
* Testes	Artery	Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Oral Mucosa Pharyngeal Squamous Cell Papilloma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 618	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 622
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	Penis
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Moderate
* Int Sm Duoden			
Note: "Thick, 2mm dia" duodenum noted at necropsy referred to its being filled with air; there was no microscopic abnormality.			
* Kidney		Mineralization	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 8-5]			
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Degeneration	Fatty, Minimal
[Angiectasis TGLS = 7-12]			
[Degeneration TGLS = 6-4]			
* Lung	Artery, Mediastinum	Mineralization	Marked
		Mineralization	Moderate
[Mineralization TGLS = 2-3+3A]			
Mesentery	Artery	Mineralization	Moderate
* Nose	Olfactory Epi	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 618	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 622
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31129

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Marked
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Mild
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pancreas	Artery	Inflammation	Mild
* Parathyroid Gland		Hyperplasia	Marked
Penis			
Note: "Distended" penis noted at necropsy was normal microscopically.			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Skin	Tail	Inflammation	Chronic Active, Marked
[Inflammation TGLS = 4-14]			
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 5-4]			
* Stomach, Forestomach		Mineralization	Mild
* Stomach, Glandular		Mineralization	Moderate
		Necrosis	Mild
[Mineralization TGLS = 9-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	

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

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 619	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 622
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Minimal
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Mild
	Artery	Mineralization	Mild
* Int Sm Duoden			
Note: "Thick, 1mm dia" duodenum noted at necropsy was normal microscopically.			
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Marked
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Moderate
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Moderate
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 619	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 622
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31130

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland		Hyperplasia	Marked
* Preputial Gland		Schwannoma Malignant	
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 4-8]			
* Stomach, Glandular		Mineralization	Moderate
[Mineralization TGLS = 3-8]			
* Testes		Atrophy	Mild
Note: "Focus, 2mm dia, pale" noted at necropsy was not apparent microscopically.			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 620	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 472
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31131

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	* Larynx
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 620	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 472
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31131

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Moderate
	Lateral Wall	Metaplasia	Squamous, Mild
	Olfactory Epi	Metaplasia	Moderate
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 2-8]			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-13]			
[Leukemia Mononuclear TGLS = 3,4-13]			
* Stomach, Glandular		Necrosis	Minimal
[Necrosis TGLS = 6-12]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 621	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 612
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Mild
		Inflammation	Suppurative, Moderate
	Artery	Mineralization	Mild
* Kidney		Cyst	Mild
		Mineralization	Mild
		Nephropathy	Marked
[Cyst TGLS = 5-5]			
[Nephropathy TGLS = 5,6-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Centrilobular	Necrosis	Moderate
[Necrosis TGLS = 8-13]			
Lymph Node	Renal	Ectasia	Mild
[Ectasia TGLS = 7-15]			
* Mammary Gland		Galactocele	Moderate
[Galactocele TGLS = 9-16]			
Mesentery	Fat	Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 621	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 612
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31132

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 2-14]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Respirat Epith	Carcinoma	
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Moderate
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Moderate
* Pancreas		Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Marked
		Necrosis	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Skin	Tail	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 11-12]			
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3,4-7]			
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 622	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 693
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Moderate
	Atrium	Thrombosis	Moderate
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney	Renal Tubule	Hyperplasia	Moderate
		Mineralization	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 6-5]			
* Liver		Basophilic Focus	
		Degeneration	Fatty, Mild
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Necrosis	Moderate
[Degeneration TGLS = 7,9-4+15]			
[Necrosis TGLS = 8-4]			
* Lung		Mineralization	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 622	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 693
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31133

ORGAN AND ACCOUNTABLE SITE STATUS

		Thrombosis	Moderate
[Thrombosis TGLS = 10-3+3A]			
Lymph Node		Ectasia	Minimal
[Ectasia TGLS = 12-16]			
* Lymph Node, Mediastinal		Hemorrhage	Mild
[Hemorrhage TGLS = 13-2]			
* Mammary Gland		Galactocele	Moderate
[Galactocele TGLS = 1-17]			
Mesentery	Artery	Mineralization	Moderate
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Marked
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Moderate
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Accessory Spleen	
		Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Moderate
[Accessory Spleen TGLS = 5-14]			
[Fibrosis TGLS = 4,11-13+12]			
[Hematopoietic Cell Proliferation TGLS = 3-12+13]			
* Stomach, Glandular		Mineralization	Marked
* Testes		Atrophy	Moderate
[Atrophy TGLS = 2-7]			

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 623	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 681
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Marked
Blood Vessel	Aorta	Mineralization	Marked
[Mineralization TGLS = 10-4]			
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Marked
[Mineralization TGLS = 9-4]			
* Intestine Large, Colon		Mineralization	Mild
[Mineralization TGLS = 8-6]			
* Kidney	Renal Tubule	Hyperplasia	Moderate
		Mineralization	Marked
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Eosinophilic Focus	
	Centrilobular	Necrosis	Minimal
[Angiectasis TGLS = 5-13]			
[Eosinophilic Focus TGLS = 6-4]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 623	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 681
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31134

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung	Artery, Mediastinum	Mineralization	Moderate
		Mineralization	Marked
[Mineralization TGLS = 11-12]			
Mesentery	Artery	Mineralization	Moderate
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Marked
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Moderate
	Lateral Wall	Metaplasia	Squamous, Mild
	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Parathyroid Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 12-2]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Adenoma	
[Adenoma TGLS = 2-14]			
* Stomach, Forestomach		Mineralization	Marked
* Stomach, Glandular		Mineralization	Marked
[Mineralization TGLS = 7-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 624	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 581
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Marked
* Intestine Large, Colon		Mineralization	Mild
* Kidney		Mineralization	Marked
		Nephropathy	Marked
[Nephropathy TGLS = 7-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
		Leukemia Mononuclear	
[Degeneration TGLS = 6-4]			
* Lung		Leukemia Mononuclear	
	Artery, Mediastinum	Mineralization	Marked
		Mineralization	Marked
Mesentery	Fat	Hemorrhage	Marked
	Artery	Mineralization	Marked
[Hemorrhage TGLS = 4-14]			
* Nose	Olfactory Epi	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 624	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 581
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31135

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Mild
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Moderate
	Respirat Epith	Metaplasia	Squamous, Minimal
* Parathyroid Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 2-2]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Mineralization	Mild
* Stomach, Glandular		Mineralization	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 1-13]			
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 625	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 609
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mediastinal	* Mammary Gland	* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3,4-5]			
* Liver		Eosinophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Mild
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Skin	Tail	Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 625	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 609
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31136

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 6-12]			
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 5-4]			
* Stomach, Forestomach		Necrosis	Marked
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 626	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 604
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Pancreas
* Preputial Gland	* Prostate	* Seminal Vesicle	* Stomach, Forestomach
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Salivary Glands

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Mild
* Kidney		Leukemia Mononuclear	
		Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Degeneration	Fatty, Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
	Artery, Mediastinum	Mineralization	Moderate
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 626	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 604
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31137

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Fibrosis	Focal, Marked
		Mineralization	Moderate
Note: "Nodule, 2mm dia, dark" noted at necropsy was normal tactile hair follicle.			
[Fibrosis TGLS = 5-14]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Stomach, Glandular		Mineralization	Moderate
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

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

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 627	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 580
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-13]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 627	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 580
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31138

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Marked
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Marked
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Minimal
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Moderate
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas		Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Marked
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-12]			
[Leukemia Mononuclear TGLS = 3-12]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Inflammation	Chronic Active, Mild

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

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 628	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 651
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Mild
* Kidney	Renal Tubule	Hyperplasia	Mild
		Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Degeneration	Cystic, Moderate
* Lung	Artery, Mediastinum	Mineralization	Mild
Lymph Node	Renal	Ectasia	Mild
[Ectasia TGLS = 4-12]			
Mesentery	Artery	Mineralization	Mild
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 628	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 651
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31139

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-13]			
* Skin	Tail	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 5-14]			
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 629	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 521
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31140

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	* Larynx
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	Minimal
* Kidney		Infarct	Mild
		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 1-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 629	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 521
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31140

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Marked
		Leukemia Mononuclear	
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
		Thrombosis	Minimal
* Pituitary Gland		Leukemia Mononuclear	
* Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Testes	Interstit Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 630	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 585
	DOSE: 32.0 PPM	**DISP:** Natural Death	**HISTO:** 31141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Small, Duodenum	* Islets, Pancreatic
* Larynx	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Seminal Vesicle		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
* Lung			
Note: "Red" lungs noted at necropsy were due to post mortem pooling of blood.			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Marked
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Marked
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-13]			
* Spleen			
Note: "Enlarged, 4.5cm x 1.0 cm" spleen noted at necropsy was within normal limits microscopically.			
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 630	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 585
	DOSE: 32.0 PPM	**DISP:** Natural Death	**HISTO:** 31141

ORGAN AND ACCOUNTABLE SITE STATUS

	Artery	Inflammation	Chronic Active, Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 631	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 649
	DOSE: 32.0 PPM	**DISP:** Natural Death	**HISTO:** 31142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Colon	* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Prostate
* Salivary Glands	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Seminal Vesicle			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Moderate
* Kidney		Mineralization	Marked
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Angiectasis TGLS = 7-13]			
[Hepatodiaphragmatic Nodule TGLS = 5-4]			
* Lung	Artery, Mediastinum	Mineralization	Marked
		Mineralization	Marked
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Marked
	Olfactory Epi	Fibrosis	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 631	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 649
	DOSE: 32.0 PPM	**DISP:** Natural Death	**HISTO:** 31142

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Moderate
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Minimal
	Lateral Wall	Metaplasia	Squamous, Mild
	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pancreas		Atrophy	Moderate
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Skin	Tail	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-15]			
* Spleen			
Note: "Focus, 1.5 cm dia, pale" noted at trim was artifact of post mortem autolysis.			
* Stomach, Forestomach		Mineralization	Moderate
[Mineralization TGLS = 9-8]			
* Stomach, Glandular		Mineralization	Marked
[Mineralization TGLS = 8-8+14]			
* Testes	Interstit Cell	Adenoma	
		Atrophy	Moderate
[Adenoma TGLS = 2-7]			
[Atrophy TGLS = 3-7]			
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 632	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 610
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Preputial Gland	* Prostate	* Salivary Glands
* Spleen	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Mild
* Intestine Large, Colon		Mineralization	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Degeneration	Fatty, Minimal
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 6-12]			
* Lung	Artery, Mediastinum	Mineralization	Moderate
		Mineralization	Marked
Mesentery	Fat	Hemorrhage	Marked
	Artery	Mineralization	Marked
[Hemorrhage TGLS = 4-13]			
[Mineralization TGLS = 4-13]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 632	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 610
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31143

ORGAN AND ACCOUNTABLE SITE STATUS

	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Moderate
	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Seminal Vesicle		Mineralization	Moderate
* Skin	Tail	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-14]			
* Stomach, Forestomach		Mineralization	Mild
* Stomach, Glandular		Mineralization	Marked
* Testes	Interstit Cell	Adenoma	
		Atrophy	Marked
[Adenoma TGLS = 3-7]			
[Atrophy TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 633	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 522
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Intestine Large, Rectum		Mineralization	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 3-4]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 5,6-11]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 633	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 522
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31144

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 2-4]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Preputial Gland Carcinoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 634	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 583
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Fracture	
[Fracture TGLS = 5-12]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Mild
	Lateral Wall	Metaplasia	Squamous, Mild
	Olfactory Epi	Metaplasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 634	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 583
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31145

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas		Basophilic Focus	
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-13]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 2-7]			
[Hyperplasia TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Preputial Gland Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 635	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 615
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Marked
	Artery	Mineralization	Marked
* Int Sm Ileum			
Note: "Focus, 1-2mm dia, multiple, red" noted at necropsy was normal Peyer's patches.			
* Intestine Large, Colon		Mineralization	Mild
* Kidney		Mineralization	Marked
		Nephropathy	Marked
[Nephropathy TGLS = 2-5]			
* Liver		Degeneration	Fatty, Minimal
Note: "Nodule, 3x4mm" noted at necropsy was normal variation in lobar morphology.			
* Lung	Artery, Mediastinum	Mineralization	Marked
		Mineralization	Moderate
Mesentery	Artery	Mineralization	Moderate
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 635	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 615
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31146

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Minimal
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
* Parathyroid Gland		Hyperplasia	Marked
* Stomach, Glandular		Mineralization	Marked
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 636	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 674
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mesenteric	* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Marked
	Artery	Mineralization	Moderate
[Mineralization TGLS = 11-4]			
* Kidney		Leukemia Mononuclear	
		Mineralization	Marked
		Nephropathy	Marked
[Nephropathy TGLS = 7-5]			
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Degeneration	Cystic, Moderate
		Leukemia Mononuclear	
[Angiectasis TGLS = 6-4]			
[Degeneration TGLS = 6-4+13]			
* Lung		Leukemia Mononuclear	
	Artery, Mediastinum	Mineralization	Marked
		Mineralization	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 636	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 674
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31147

ORGAN AND ACCOUNTABLE SITE STATUS

[Mineralization TGLS = 10,12-3+3A]			
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-15]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
Mesentery	Artery	Mineralization	Moderate
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Marked
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Moderate
* Pancreas		Hyperplasia	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Prostate		Inflammation	Chronic Active, Marked
* Skin	Tail	Inflammation	Chronic Active, Marked
[Inflammation TGLS = 9-12]			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-14]			
[Leukemia Mononuclear TGLS = 4-14]			
* Stomach, Forestomach		Necrosis	Mild
* Stomach, Glandular		Mineralization	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-7]			

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

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 637	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 650
	DOSE: 32.0 PPM	**DISP:** Natural Death	**HISTO:** 31148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Moderate
* Intestine Large, Rectum		Mineralization	Mild
* Kidney		Hyperplasia	Oncocytic, Marked
		Mineralization	Marked
		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
* Lung	Artery, Mediastinum	Mineralization	Marked
		Mineralization	Marked
* Mammary Gland		Galactocele	Moderate
[Galactocele TGLS = 3-16]			
Mesentery	Artery	Mineralization	Marked
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 637	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 650
	DOSE: 32.0 PPM	**DISP:** Natural Death	**HISTO:** 31148

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Marked
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Mild
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas		Atrophy	Minimal
	Artery	Inflammation	Marked
[Inflammation TGLS = 10-17]			
* Parathyroid Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 6-2]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Preputial Gl			
Note: "Enlarged, .5 x 1cm" preputial gland noted at trim was within normal limits microscopically.			
* Skin	Tail	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 11-18]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Mineralization	Marked
* Stomach, Glandular		Mineralization	Marked
[Mineralization TGLS = 9-14+15]			
* Testes	Interstit Cell	Adenoma	
	Artery	Inflammation	Chronic Active, Moderate
[Adenoma TGLS = 8-7]			
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 638	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 347
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 1-12]			

PRIMARY CAUSE OF DEATH - Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 639	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 664
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Mammary Gland	* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
Blood Vessel	Aorta	Mineralization	Marked
[Mineralization TGLS = 2-4]			
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Marked
* Intestine Large, Colon		Mineralization	Mild
[Mineralization TGLS = 3-6]			
* Kidney		Mineralization	Marked
		Nephropathy	Marked
[Nephropathy TGLS = 1-5]			
* Lung	Artery, Mediastinum	Mineralization	Marked
		Mineralization	Marked
Mesentery	Artery	Mineralization	Marked
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 639	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 664
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31150

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Marked
	Lateral Wall	Metaplasia	Squamous, Mild
	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas		Atrophy	Mild
	Artery	Mineralization	Marked
* Parathyroid Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 4-2]			
* Stomach, Forestomach		Mineralization	Mild
* Stomach, Glandular		Mineralization	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 640	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 651
	DOSE: 32.0 PPM	**DISP:** Natural Death	**HISTO:** 31151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Preputial Gland
* Prostate	* Salivary Glands	* Spleen	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular

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* Intestine Small, Jejunum	* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Marked
* Intestine Large, Colon		Mineralization	Mild
* Kidney		Mineralization	Marked
		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Note: "Nodule, 3mm dia, dark" noted at trim was blood in normal vasculature.			
* Lung	Artery, Mediastinum	Mineralization	Marked
		Mineralization	Marked
Mesentery	Artery	Mineralization	Marked
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 640	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 651
	DOSE: 32.0 PPM	**DISP:** Natural Death	**HISTO:** 31151

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Mild
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Parathyroid Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 6-2]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 3-8]			
* Seminal Vesicle		Mineralization	Moderate
* Skin		Keratoacanthoma	
Note: "Mass, 2cm dia, pale" noted at necropsy was normal mammary gland and its secretions.			
[Keratoacanthoma TGLS = 1-14]			
* Stomach, Forestomach		Mineralization	Moderate
* Stomach, Glandular		Mineralization	Moderate
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 641	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 638
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Moderate
[Fibrous Osteodystrophy TGLS = 8-10]			
* Heart	Artery	Mineralization	Moderate
* Kidney		Mineralization	Marked
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Lung	Artery, Mediastinum	Mineralization	Marked
		Mineralization	Marked
Lymph Node	Renal	Hemorrhage	Moderate
[Hemorrhage TGLS = 5-15]			
* Mammary Gland		Galactocele	Mild
[Galactocele TGLS = 1,2-13+14]			
Mesentery	Artery	Inflammation	Chronic Active, Marked
	Artery	Mineralization	Mild
[Inflammation TGLS = 9-12]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 641	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 638
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31152

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Mild
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 6-16]			
* Spleen		Fibrosis	Minimal
* Stomach, Glandular		Mineralization	Moderate
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 642	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 637
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel	Aorta	Mineralization	Marked
[Mineralization TGLS = 4-4]			
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Marked
	Artery	Mineralization	Moderate
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Mild
		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
Note: "Focus, 1-3mm, multiple, dark" and "focus, 2mm dia, dark" noted at trim were blood in normal hepatic vasculature.			
* Lung	Artery, Mediastinum	Mineralization	Marked
		Mineralization	Mild
Mesentery	Artery	Inflammation	Chronic Active, Marked
	Artery	Mineralization	Mild
[Inflammation TGLS = 8-12]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 642	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 637
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31153

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Mild
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Moderate
* Pancreas		Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 5-2]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-13]			
* Stomach, Forestomach		Mineralization	Mild
* Stomach, Glandular		Mineralization	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 643	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 599
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 5-5]			
* Bone		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
		Leukemia Mononuclear	
	Atrium	Thrombosis	Minimal
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 6-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Degeneration TGLS = 3-12]			
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 643	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 599
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31154

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Marked
	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Moderate
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

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

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 644	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 637
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Mild
	Artery	Mineralization	Moderate
* Kidney		Cyst	Mild
		Mineralization	Moderate
		Nephropathy	Marked
[Cyst TGLS = 5-12]			
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Artery, Mediastinum	Mineralization	Moderate
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 644	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 637
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31155

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Mild
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas		Atrophy	Moderate
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Skin	Tail	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 6-14]			
* Stomach, Forestomach		Necrosis	Mild
[Necrosis TGLS = 7-13]			
* Stomach, Glandular		Mineralization	Moderate
* Testes	Interstit Cell	Adenoma	
		Atrophy	Moderate
[Adenoma TGLS = 3-7]			
[Atrophy TGLS = 2-7]			
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 645	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 421
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31156

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	* Larynx
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Marked
		Cataract	Moderate
[Cataract TGLS = 2-13]			
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 645	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 421
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31156

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
	Olfactory Epi	Metaplasia	Mild
* Spleen		Hemorrhage	Mild
		Leukemia Mononuclear	
[Hemorrhage TGLS = 4-12]			
[Leukemia Mononuclear TGLS = 3-12]			
* Stomach, Forestomach		Necrosis	Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 646	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 580
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Mammary Gland	* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Marked
[Mineralization TGLS = 5-4]			
* Intestine Large, Colon		Mineralization	Mild
* Kidney	Renal Tubule	Hyperplasia	Mild
		Mineralization	Marked
		Nephropathy	Marked
[Nephropathy TGLS = 2,3-5]			
* Liver		Degeneration	Fatty, Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
	Artery, Mediastinum	Mineralization	Marked
		Mineralization	Moderate
[Hyperplasia TGLS = 4-12]			
Mesentery	Artery	Mineralization	Mild
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 646	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 580
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31157

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Marked
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Minimal
	Lateral Wall	Metaplasia	Squamous, Mild
	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas		Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 647	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 637
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
[Mineralization TGLS = 3-4]			
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Marked
[Mineralization TGLS = 10-4]			
* Int Lg Cecum			
Note: "Large intestine, dilated" noted at necropsy was within normal limits microscopically.			
* Int Sm Duoden			
Note: "Small intestine, dilated" noted at necropsy was within normal limits microscopically.			
* Kidney		Mineralization	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 5-5]			
* Lung	Artery, Mediastinum	Mineralization	Marked
		Mineralization	Marked
* Mammary Gland		Galactocele	Moderate
[Galactocele TGLS = 1,2-14+15]			
Mesentery	Artery	Inflammation	Chronic Active, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 647	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 637
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31158

ORGAN AND ACCOUNTABLE SITE STATUS

	Artery	Mineralization	Marked
[Inflammation TGLS = 9-12+6]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Mild
	Lateral Wall	Metaplasia	Squamous, Mild
	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Mild
	Respirat Epith	Squamous Cell Carcinoma	
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Prostate		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 11-8]			
* Skin	Tail	Inflammation	Chronic Active, Moderate
		Keratoacanthoma	
[Inflammation TGLS = 13-13]			
[Keratoacanthoma TGLS = 12-16]			
* Stomach, Forestomach		Mineralization	Mild
Note: "Stomach, dilated" noted at necropsy had no corresponding microscopic finding.			
* Stomach, Glandular		Mineralization	Moderate
* Testes	Artery	Inflammation	Chronic Active, Moderate
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 648	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 497
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	Eye	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mediastinal	* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
Eye			
Note: "Pale" eyes noted at necropsy was due to anemia secondary to leukemia.			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Parasite Metazoan	
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Lateral Wall	Hyperplasia	Marked
	Respirat Epith	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 648	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 497
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31159

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Suppurative, Moderate
		Leukemia Mononuclear	
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Minimal
	Respirat Epith	Metaplasia	Squamous, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gl			
Note: "Focus, 1mm dia, red" noted at necropsy was blood in normal vasculature.			
* Skin		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 6-13]			
* Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-12]			
[Leukemia Mononuclear TGLS = 3-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 649	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 638
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
		Pheochromocytoma Malignant	
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Moderate
Eye		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1,3-11]			
* Heart		Cardiomyopathy	Moderate
	Artery	Mineralization	Moderate
* Kidney		Mineralization	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 7-5]			
* Liver		Degeneration	Fatty, Minimal
* Lung		Hemorrhage	Minimal
	Artery, Mediastinum	Mineralization	Moderate
		Mineralization	Mild
[Hemorrhage TGLS = 4-12]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 649	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 638
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31160

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 5-8]			
* Prostate			
Note: "Mass, 7mm dia, mottled" noted at necropsy was normal adipose tissue.			
* Stomach, Glandular		Mineralization	Moderate
[Mineralization TGLS = 8-8]			
* Testes	Artery	Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 650	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 623
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Marked
	Artery	Mineralization	Moderate
* Intestine Small, Duodenum		Inflammation	Suppurative, Mild
* Intestine Small, Ileum		Mineralization	Moderate
* Kidney		Mineralization	Moderate
		Nephropathy	Marked
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Mixed Cell Focus	
Note: "Nodule, .5x1cm" noted at trim was not apparent microscopically.			
[Mixed Cell Focus TGLS = 9-4]			
* Lung	Artery, Mediastinum	Mineralization	Marked
		Mineralization	Mild
[Mineralization TGLS = 5,8-3A+3]			
Mesentery	Artery	Mineralization	Moderate
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 650	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 623
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31161

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Mild
	Lateral Wall	Metaplasia	Squamous, Mild
	Olfactory Epi	Metaplasia	Mild
* Parathyroid Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 7-2]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 11-8]			
* Skin	Tail	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 6-12]			
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 101	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Larynx
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Fatty, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 2-4]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 101	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31062

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 102	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 631
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Mixed Cell Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 103	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 581
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Nose	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Hyperostosis	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Degeneration	Fatty, Minimal
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pancreas		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 103	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 581
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31064

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 104	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 693
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland	Bilateral	Adenoma	
[Adenoma TGLS = 2-7]			
* Heart	Atrium	Thrombosis	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Fatty, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
		Galactocele	Mild
[Carcinoma TGLS = 5-14]			
[Galactocele TGLS = 6-13]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 104	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 693
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31065

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Thrombosis	Marked
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Stomach, Forestomach		Necrosis	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 105	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
* Bone		Hyperostosis	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Cyst	Marked
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Cyst TGLS = 2-13]			
* Lung		Leukemia Mononuclear	
* Pancreas		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Skin			
Note: "SubQ, mass, 1.5x1 cm dia, pale" was normal mammary gland.			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 4,5-12]			
[Leukemia Mononuclear TGLS = 6-12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 105	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31066

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 106	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 470
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone		Fibroma	
[Fibroma TGLS = 1,3,4-9]			
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Fatty, Mild
		Necrosis	Minimal
[Degeneration TGLS = 6-4]			
[Necrosis TGLS = 5-12]			
* Lung		Inflammation	Granulomatous, Mild
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Bone Fibroma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 107	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 573
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Kidney		Nephropathy	Mild
* Liver			
Note: "Focus, 1mm to 3mm dia, pale, multiple" described at necropsy was not apparent microscopically.			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 108	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	
OBSERVATIONS			
* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-12]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 109	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 616
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-4]			
* Mammary Gland		Galactocele	Moderate
[Galactocele TGLS = 5-13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Stomach, Forestomach		Mineralization	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 110	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 721
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:** 31071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Uterus			

MISSING

* Clitoral Gland

AUTO PRECLUDES DIAG.

* Bone Marrow	* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Spleen
* Thyroid Gland	* Trachea		

INSUFFICIENT TISSUE

* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 111	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone		Hyperostosis	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
[Hepatocellular Adenoma TGLS = 4-13]			
[Hepatodiaphragmatic Nodule TGLS = 5-12]			
[Mixed Cell Focus TGLS = 6-14]			
* Lung			
Note: "Focus, 4x2mm, white" noted at necropsy was not apparent microscopically and may have been trapped air.			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 111	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31072

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 112	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 707
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Clitoral Gland

OBSERVATIONS

* Heart	Atrium	Thrombosis	Moderate
[Thrombosis TGLS = 3-4]			
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
* Lung		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	Multiple
		Fibroadenoma	Multiple
[Carcinoma TGLS = 2,5-12+7]			
[Fibroadenoma TGLS = 1,2-13+12]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
		Thrombosis	Minimal
* Pancreas		Basophilic Focus	
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 113	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 6-13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
* Ovary		Cyst	Marked
[Cyst TGLS = 2-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Inflammation	Granulomatous, Moderate
		Metaplasia	Lipocyte, Moderate
[Inflammation TGLS = 3-12]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 114	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Perivascular	Infiltration Cellular	Mononuclear Cl, Minimal
[Infiltration Cellular TGLS = 2-3]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-12]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 1-13]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 115	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 1-8]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 116	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 581
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	Mild
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 116	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 581
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31077

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Stomach, Forestomach		Necrosis	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 117	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-13]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
Note: "Focus, 6mm dia, dark" and "focus, 4mm dia, dark" noted at necropsy were blood in normal hepatic vasculature.			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-14]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 118	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 627
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Clitoral Gland	* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-12]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 119	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Moderate
		Basophilic Focus	
		Degeneration	Fatty, Minimal
[Angiectasis TGLS = 4-14]			
[Degeneration TGLS = 6-15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Fibrosis	Minimal
		Hemangiosarcoma	
[Fibrosis TGLS = 5-13]			
[Hemangiosarcoma TGLS = 3-12]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	Multiple
Note: Other stromal polyp is in slide 8.			
[Polyp Stromal TGLS = 2-16]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 119	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31080

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 120	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 478
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 4-5]			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2,3-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
		Thrombosis	Minimal
Oral Mucosa	Pharyngeal	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 5-13]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 120	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 478
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31081

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-12]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 121	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 477
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-1]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-4]			
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 121	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 477
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31082

ORGAN AND ACCOUNTABLE SITE STATUS

		Necrosis	Mild
[Leukemia Mononuclear TGLS = 4-12]			
[Necrosis TGLS = 3-12]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 122	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone		Hyperostosis	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Parasite Metazoan	
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Eosinophilic Focus	
[Angiectasis TGLS = 7-4]			
[Basophilic Focus TGLS = 8-14]			
[Eosinophilic Focus TGLS = 6-13]			
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 3-15]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-16]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 122	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31083

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 4-12]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 123	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Clitoral Gland		Hyperplasia	Mild
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Fatty, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12+13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 124	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Esophagus	* Lymph Node, Mediastinal

OBSERVATIONS

* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-12]			
* Pancreas		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 125	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 707
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Chronic Active, Moderate
* Heart		Leukemia Mononuclear	
	Atrium	Thrombosis	Minimal
* Kidney		Infarct	Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
[Infarct TGLS = 6-15]			
* Liver		Degeneration	Fatty, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 7-4]			
* Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Lymph Node, Bronchial		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 125	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 707
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31086

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
		Thrombosis	Marked
* Ovary		Cyst	Moderate
		Leukemia Mononuclear	
[Cyst TGLS = 1-7]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Spleen		Hemorrhage	Mild
		Leukemia Mononuclear	
[Hemorrhage TGLS = 2,3-13+14]			
[Leukemia Mononuclear TGLS = 5-12]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 126	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			
OBSERVATIONS			
* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 127	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 4-4]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hyperplasia TGLS = 5-12+3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 2-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 127	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31088

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 3-13]		
* Thymus		Leukemia Mononuclear
* Thyroid Gland	C Cell	Adenoma
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 128	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 609
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Kidney		Nephropathy	Mild
* Larynx		Carcinoma	Metastatic (Thyroid Gland)
	Epiglottis	Metaplasia	Squamous, Moderate
* Lung		Carcinoma	Metastatic (Thyroid Gland)
		Inflammation	Suppurative, Mild
[Carcinoma TGLS = 3-3+3A]			
* Lymph Node, Bronchial		Carcinoma	Metastatic (Thyroid Gland)
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 1-12]			

PRIMARY CAUSE OF DEATH - Thyroid Gland C Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 129	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 661
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Pancreas
* Parathyroid Gland	* Skin	* Thymus	* Trachea

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Salivary Glands

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Necrosis	Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Bone			
Note: "Palate, mass, 2mm dia, pale" noted at trim was not apparent microscopically.			
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Infarct	Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6,7-4]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-19]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	Multiple
[Carcinoma TGLS = 1,8-14+15]			
Mesentery		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 129	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 661
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31090

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 11-13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
		Leukemia Mononuclear	
		Thrombosis	Marked
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Hyperplasia TGLS = 4-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-12]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
		Necrosis	Mild
* Thyroid Gland	C Cell	Adenoma	
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

Note: "Mass, 3mm x 20mm, firm" noted at necropsy could not be found in wet tissue at trim.

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 130	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 3-12]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Mixed Cell Focus	
Note: There was no microscopic finding to account for the "mottled" appearance noted at necropsy.			
[Angiectasis TGLS = 6-14]			
* Mammary Gland		Adenoma	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 8-13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
* Pancreas		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 131	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 652
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 4-4]			
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12+13+14+15]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-16]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 132	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 609
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
[Angiectasis TGLS = 2-5]			
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
		Sarcoma	
[Sarcoma TGLS = 3-12]			
* Stom Forestom			
Note: "Lesions, 3mm dia" noted at trim was artifact.			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Sarcoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 133	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 456
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Uterus			

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Degeneration	Fatty, Mild
		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
		Inflammation	Suppurative, Mild
		Thrombosis	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 133	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 456
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31094

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Stomach, Forestomach		Necrosis	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 134	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 98
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic Active, Mild
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-12]			
Tooth	Pulp	Necrosis	Moderate
[Necrosis TGLS = 1-9]			

PRIMARY CAUSE OF DEATH - Tooth Pulp Necrosis

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 135	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 136	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 707
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 3,6-13]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 136	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 707
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31097

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 7-14]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 137	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 673
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Necrosis	Moderate
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Fatty, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1,4-12+13+15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-14]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 138	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 599
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Thymus
* Trachea	* Urinary Bladder	* Uterus	
MISSING			
* Lymph Node, Bronchial	* Lymph Node, Mandibular		
OBSERVATIONS			
* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-4]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pancreas		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Stomach, Forestomach		Necrosis	Moderate
* Stomach, Glandular		Mineralization	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 139	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Mixed Cell Focus	
Note: "Focus, dark" noted at necropsy was blood in normal hepatic vasculature.			
[Mixed Cell Focus TGLS = 2-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 140	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-4+13]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	
Note: "Rt inguinal, mass, 3x1cm dia, pale" noted at necropsy was normal mammary gland and fat.			
[Carcinoma TGLS = 2-15+16+7]			
[Fibroadenoma TGLS = 5-12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 6-17]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 140	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31101

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 141	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Moderate
[Hyperplasia TGLS = 1,3-3+3A]			
* Mammary Gland		Fibroadenoma	
		Galactocele	Moderate
[Galactocele TGLS = 2-12]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 142	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 707
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	Tongue	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-13]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
	Centrilobular	Necrosis	Minimal
		Thrombosis	Mild
[Leukemia Mononuclear TGLS = 7-4]			
[Mixed Cell Focus TGLS = 8-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3+3A]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 142	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 707
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31103

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 5,9-16+14+15]			
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Mild
[Necrosis TGLS = 10-17]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
		Thrombosis	Mild
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 4-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
Tongue			
Note: "Focus, 1mm dia, pale" was not apparent microscopically.			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 143	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 604
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:** 31104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Fatty, Minimal
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
		Inflammation	Suppurative, Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 4-12+13]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 144	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Bone		Hyperostosis	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Schwannoma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 144	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31105

ORGAN AND ACCOUNTABLE SITE STATUS

[Schwannoma Malignant TGLS = 3-13]

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 145	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	Marked
* Clitoral Gland		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 2-12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 145	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31106

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-12]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 146	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-12]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 147	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Histiocytic, Marked
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15+16]			
Mesentery	Fat	Hemorrhage	Mild
[Hemorrhage TGLS = 6-17]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 147	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31108

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Leukemia Mononuclear	
* Spleen	Fibrosis	Moderate
	Leukemia Mononuclear	
[Fibrosis TGLS = 3-13]		
[Leukemia Mononuclear TGLS = 2-12]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 148	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Ovary	* Salivary Glands	* Skin	* Trachea

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Hyperostosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
Eye	Retina	Atrophy	Marked
		Cataract	Marked
[Cataract TGLS = 1-11]			
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-12]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 148	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31109

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Degeneration	Hyaline, Minimal
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
		Leukemia Mononuclear	
[Hyperplasia TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Adenoma	
		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 149	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
MISSING			
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Thymus	
OBSERVATIONS			
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-7]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-8]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 150	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:** 31111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Histiocytic, Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Carcinoma TGLS = 2-13]			
[Fibroadenoma TGLS = 1-12]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 301	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 727
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 5-12]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Mineralization	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 302	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 303	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Focal, Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-12]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 303	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31364

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 304	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 571
	DOSE: 2.0 PPM	**DISP:** Natural Death	**HISTO:** 31365

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mediastinal	* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Larynx	* Liver	* Pancreas	* Pituitary Gland
* Spleen	* Stomach, Glandular	* Thyroid Gland	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Complex	
[Pheochromocytoma Complex TGLS = 1-13]			
* Heart		Cardiomyopathy	Mild
* Liver			
Note: HDN (TGL 2-12) noted at necropsy was not readily apparent microscopically due to post mortem autolysis.			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Adrenal Medulla	Pheochromocytoma Complex

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 305	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
Note: "Focus, 7x4mm, pale" noted at trim was not apparent microscopically and may have been artifact.			
[Hepatodiaphragmatic Nodule TGLS = 8-13]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
		Galactocele	Moderate
[Fibroadenoma TGLS = 5-17]			
[Galactocele TGLS = 1,2,4-14+15+16]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 306	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 679
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Salivary Glands
* Spleen	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Necrosis	Moderate
[Necrosis TGLS = 5-5]			
Blood Vessel	Aorta	Mineralization	Mild
* Bone		Fibrous Osteodystrophy	Minimal
		Hyperostosis	Moderate
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Mild
	Artery	Mineralization	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Marked
* Liver		Basophilic Focus	
		Degeneration	Fatty, Mild
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-12]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Mineralization	Moderate
* Mammary Gland		Carcinoma	
		Necrosis	Marked
[Carcinoma TGLS = 2-14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 306	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 679
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31367

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
* Pancreas		Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Skin		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-13]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 6-8]			
* Stomach, Glandular		Mineralization	Moderate
* Thyroid Gland	C Cell	Adenoma	

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

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 307	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 469
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 1-12]			

PRIMARY CAUSE OF DEATH - Tongue Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 308	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 677
	DOSE: 2.0 PPM	**DISP:** Natural Death	**HISTO:** 31369

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Small, Duodenum
* Larynx	* Liver	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Uterus	

MISSING

* Islets, Pancreatic

AUTO PRECLUDES DIAG.

* Bone Marrow	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum		

INSUFFICIENT TISSUE

* Urinary Bladder

OBSERVATIONS

* Kidney	Renal Tubule	Carcinoma	
* Lymph Node, Mediastinal		Carcinoma	Metastatic (Kidney)
* Lymph Node, Mesenteric		Carcinoma	Metastatic (Kidney)
[Carcinoma TGLS = 2-12]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
Mesentery		Carcinoma	Metastatic (Kidney)
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
* Pancreas		Carcinoma	Metastatic (Kidney)
* Spleen		Necrosis	Mild
* Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH - Kidney Renal Tubule Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 309	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 651
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Histiocytic, Marked
* Kidney		Nephropathy	Minimal
* Liver		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 5,6-13+14]			
* Lung			
Note: "Lesion, 5mm dia, pale" noted at necropsy was not apparent microscopically.			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Thrombosis	Marked
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 4-12]			
* Stomach, Forestomach		Necrosis	Minimal
* Stomach, Glandular		Necrosis	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 310	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-12]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 4-13]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 311	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 497
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Mixed Cell Focus	
	Centrilobular	Necrosis	Minimal
Note: "Pale" liver noted at necropsy was due to anemia secondary to mammary carcinoma.			
[Mixed Cell Focus TGLS = 3-4]			
* Lung		Carcinoma	Metastatic (Mammary Gland)
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Carcinoma TGLS = 2-14+15]			
[Fibroadenoma TGLS = 5-12]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Mild
* Pancreas		Atrophy	Mild
		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 311	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 497
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31372

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Carcinoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 312	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 581
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31373

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 2-13]			
[Mixed Cell Focus TGLS = 3-4+13]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
[Hyperplasia TGLS = 4-3A]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 313	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31374

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone		Hyperostosis	Minimal
* Clitoral Gland		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 3,4-12+13]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 2-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 5-8]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 313	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31374

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 314	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone		Hyperostosis	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 6-4]			
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 5-3]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-12]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 315	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31376

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Mammary Gland	* Parathyroid Gland	* Skin	* Trachea
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone		Hyperostosis	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Clitoral Gland		Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-18]			
* Heart		Leukemia Mononuclear	
* Islets, Pancreatic		Carcinoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-15]			
[Leukemia Mononuclear TGLS = 6-19]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 315	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31376

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 11-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-16]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,8-13+14]			
* Stomach, Forestomach		Leukemia Mononuclear	
		Necrosis	Moderate
[Necrosis TGLS = 12-8+17]			
* Stomach, Glandular		Leukemia Mononuclear	
		Necrosis	Moderate
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 316	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31377

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 5-12]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 3,4-13+14+15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 317	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 708
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31378

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Pancreas	* Salivary Glands	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland	* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gl			
Note: "Mass, 5mm dia, red" noted at necropsy was normal secretion in dilated duct.			
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3+3A]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-13]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Mild
* Ovary		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 317	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 708
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31378

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-12]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 8-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 318	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone		Hyperostosis	Marked
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-12]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-13+14+15]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 319	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 637
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31380

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Clitoral Gland	* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Kidney		Nephropathy	Mild
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-8]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 320	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 693
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone		Hyperostosis	Marked
* Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	Moderate
[Thrombosis TGLS = 5-4]			
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Minimal
* Pancreas		Atrophy	Mild
* Spleen		Fibrosis	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 320	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 693
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31381

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
[Fibrosis TGLS = 2,3-12+14]			
[Leukemia Mononuclear TGLS = 1-13]			
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 321	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12+13+14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Lateral Wall	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Skin		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 3,4-15+16]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 322	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31383

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain		Astrocytoma Malignant	
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Galactocele	Minimal
[Galactocele TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-13]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 323	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31384

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
Note: "Granular" appearance noted at necropsy was normal lobular pattern of liver.			
Lymph Node	Renal	Hemorrhage	Minimal
[Hemorrhage TGLS = 5-12]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 324	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31385

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
		Inflammation	Chronic Active, Moderate
[Adenoma TGLS = 4-7]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
Note: "Nodule, 2mm dia" noted at trim was normal variation in surface morphology of liver.			
[Hepatodiaphragmatic Nodule TGLS = 2-4]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 325	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31386

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 6-5]			
* Bone		Hyperostosis	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 4-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gl			
Note: "Mass, 1x2 cm, pale" was normal mammary gland and subcutaneous fat.			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 325	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31386

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 326	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Natural Death	**HISTO:** 31387

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Parathyroid Gland
* Skin	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 9-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3+3A]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-15]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 326	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Natural Death	**HISTO:** 31387

ORGAN AND ACCOUNTABLE SITE STATUS

	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hyperplasia TGLS = 3-8]			
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6,7-14]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 327	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 603
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-4+12]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 328	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31389

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5,6-4+13+12]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14+15]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi	Metaplasia	Minimal
* Ovary		Cyst	Minimal
[Cyst TGLS = 3-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 328	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31389

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 329	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic Active, Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 8-12]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-13+14+17+18]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 7-16]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Skin			
Note: "Lip, focus, 4mm dia, red" was normal tactile hair.			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 329	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31390

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 6-8]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 330	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	Zymbal's Gland	

MISSING

* Lymph Node, Bronchial	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone		Hyperostosis	Mild
* Kidney		Infarct	Minimal
[Infarct TGLS = 4-5]			
* Liver		Basophilic Focus	
		Mixed Cell Focus	
Note: "Nodule, 7x9mm" noted at trim was normal variation in surface morphology.			
[Basophilic Focus TGLS = 8-16]			
[Mixed Cell Focus TGLS = 5,7-4+15]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12+13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-17+18]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 330	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31391

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 331	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 690
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Centrilobular	Necrosis	Minimal
Note: "Pale" liver noted at necropsy was due to anemia secondary to uterine neoplasm.			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
* Ovary		Granulosa Cell Tumor Benign	
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 1-4]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-12]			

PRIMARY CAUSE OF DEATH - Uterus Polyp Stromal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 332	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31393

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Minimal
Oral Mucosa	Pharyngeal	Hyperplasia	Squamous, Moderate
[Hyperplasia TGLS = 3-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 5-7+13]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 332	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31393

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7,8-4+16]			
* Thyroid Gland	Follicular Cel	Carcinoma	
	C Cell	Hyperplasia	Minimal
[Carcinoma TGLS = 2-2]			
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1-15]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 333	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 716
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31394

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart	Atrium	Thrombosis	Moderate
* Intestine Large, Colon		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Intestine Small, Ileum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3A]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6+13]			
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 333	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 716
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31394

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
		Thrombosis	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 3-4+12]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 334	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 547
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31395

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
Note: "Focus, 1mm dia, dark" noted at trim was blood in normal vasculature.			
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,3-13+14+15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Moderate
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 335	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 676
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31396

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Chronic Active, Moderate
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Leukemia Mononuclear TGLS = 7-5]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
		Regeneration	Moderate
[Leukemia Mononuclear TGLS = 4-4]			
[Regeneration TGLS = 5-4]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 335	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 676
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31396

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 8-12]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hyperplasia TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-13]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	
		Polyp Stromal	
[Polyp Stromal TGLS = 3-8]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 336	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 428
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31397

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal

OBSERVATIONS

* Kidney		Hydronephrosis	Minimal
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
* Ovary		Cyst	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Transit Epithe	Carcinoma	
[Carcinoma TGLS = 1-12]			

PRIMARY CAUSE OF DEATH - Urinary Bladder Transit Epithe Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 337	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31398

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Clitoral Gland	* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-13]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-12]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 338	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31399

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Intestine Large, Colon

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Fatty, Minimal
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,3-13+12]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 338	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31399

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Carcinoma	
	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 339	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31400

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone		Hyperostosis	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 340	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 506
	DOSE: 2.0 PPM	**DISP:** Natural Death	**HISTO:** 31401

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Kidney	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Clitoral Gland	* Mammary Gland	* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Bone Marrow	* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum

OBSERVATIONS

* Bone		Hyperostosis	Moderate
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Necrosis	Moderate
Note: "Diffuse, pale" liver noted at necropsy was due to anemia secondary to uterine neoplasia.			
[Hepatodiaphragmatic Nodule TGLS = 4-12]			
Mesentery	Fat	Necrosis	Minimal
Note: "Mass (2), 2x4mm, dark" noted at trim was post mortem clots in vasculature.			
[Necrosis TGLS = 6-16]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus		Schwannoma Malignant	
Note: "Right horn, dark blue" noted at necropsy was post mortem blood clots in vasculature.			
[Schwannoma Malignant TGLS = 1-14+15]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 340	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 506
	DOSE: 2.0 PPM	**DISP:** Natural Death	**HISTO:** 31401

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Uterus Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 341	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 628
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-15]			
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 9-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5,6-3]			
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 341	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 628
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31402

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 13-6]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 11-13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-12]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 342	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31403

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Ovary	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Angiectasis TGLS = 3-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-13+14+12]			
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Mild
[Leukemia Mononuclear TGLS = 4-15]			
[Necrosis TGLS = 4-15]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 342	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31403

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 343	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31404

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Bone		Hyperostosis	Mild
* Clitoral Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-12]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 343	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31404

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 344	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31405

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone		Hyperostosis	Moderate
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
[Eosinophilic Focus TGLS = 4-4]			
[Mixed Cell Focus TGLS = 3-12]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 344	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31405

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus [Polyp Stromal TGLS = 2-8]	Polyp Stromal
PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 345	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 651
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31406

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Hyperplasia	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Fatty, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 345	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 651
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31406

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Necrosis	Moderate
* Thymus	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 346	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31407

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-12]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-7]			
* Pancreas		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 346	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31407

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 347	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 535
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31408

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver			
Note: "Focus, 2mm dia, pale" was not apparent microscopically.			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Stomach, Forestomach		Necrosis	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 348	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 721
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31409

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Leukemia Mononuclear	
[Degeneration TGLS = 7-5]			
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 3,4-13+14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 348	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 721
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31409

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Leukemia Mononuclear
* Pituitary Gland	Pars Distalis	Adenoma
[Adenoma TGLS = 2-8]		
* Spleen		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 6-12]		
* Thymus		Leukemia Mononuclear
* Thyroid Gland	C Cell	Adenoma
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 349	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 707
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31410

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	Tongue
* Trachea	* Urinary Bladder	Vagina	

MISSING

* Thymus

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-10]			
* Heart		Leukemia Mononuclear	
	Atrium	Thrombosis	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Fatty, Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 349	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 707
	DOSE: 2.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31410

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
		Thrombosis	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-4]			
[Leukemia Mononuclear TGLS = 11-4]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue			
Note: "Focus, 1mm diam, pale" noted at necropsy was not apparent microscopically.			
* Uterus		Leukemia Mononuclear	
		Polyp Stromal	
[Polyp Stromal TGLS = 6-8]			
Vagina			
Note: "Mass, 1mm diam" noted at necropsy was not apparent microscopically.			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 350	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31411

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-13+14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 350	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 2.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31411

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 501	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
[Hyperplasia TGLS = 4-15]			
* Kidney	Transit Epithe	Carcinoma	
		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 5-12]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-13+14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Moderate
	Lateral Wall	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 502	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 639
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone		Osteosarcoma	
[Osteosarcoma TGLS = 6-18]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Osteosarcoma	Metastatic (Bone)
[Osteosarcoma TGLS = 2,3,4-12+13+14]			
* Lung		Osteosarcoma	Metastatic (Bone)
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15+16+17]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 502	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 639
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31263

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Bone Osteosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 503	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6,7-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-12]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 503	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31264

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Angiectasis TGLS = 1-8]			
[Hyperplasia TGLS = 1-8]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-13]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-4]			
* Stomach, Glandular		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 504	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 4-12]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-13]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Olfactory Epi	Fibrosis	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 504	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31265

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 505	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
[Basophilic Focus TGLS = 4-15]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-13]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 505	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31266

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-12]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 506	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 609
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Parathyroid Gland	* Skin
* Trachea			

MISSING

* Clitoral Gland	* Islets, Pancreatic	* Pancreas

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 9,12-4+12]			
* Lung		Leukemia Mononuclear	
Lymph Node		Leukemia Mononuclear	
Note: Lymph node with no site listed was axillary.			
[Leukemia Mononuclear TGLS = 1-19]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10,11-18+6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-21+22+23]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 506	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 609
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31267

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
	Respirat Epith	Metaplasia	Squamous, Minimal
* Ovary		Cyst	Marked
		Leukemia Mononuclear	
[Cyst TGLS = 3-20]			
* Pituitary Gland		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 8-16]			
[Leukemia Mononuclear TGLS = 6,7-17+15]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-13]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 507	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 563
	DOSE: 8.0 PPM	**DISP:** Natural Death	**HISTO:** 31268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mediastinal	* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Inflammation	Granulomatous, Mild
* Lung			
Note: "Dark red" lungs were due to post mortem pooling of blood.			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Uterus			
Note: "Dark red" uterus was due to post mortem pooling of blood.			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 508	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
Note: "Focus, 1-8mm, dark, multiple" and "focus, .1-1cm, dark, multiple" noted at necropsy were blood in normal hepatic vasculature.			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Stomach, Glandular		Mineralization	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 508	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31269

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 509	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 627
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Fatty, Minimal
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Stomach, Forestomach		Inflammation	Acute, Mild
[Inflammation TGLS = 3,4-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 509	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 627
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31270

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 510	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 623
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Ovary
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone		Hyperostosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
		Thrombosis	Mild
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 510	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 623
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31271

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Accessory Spleen	
		Leukemia Mononuclear	
[Accessory Spleen TGLS = 5-13]			
[Leukemia Mononuclear TGLS = 3-12]			
* Stomach, Forestomach		Necrosis	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 511	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 3-4]			
* Lung			
Note: "Focus, 1mm dia" was not apparent microscopically.			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 4,5,6-13+12+15]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Mild
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 511	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31272

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 512	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Clitoral Gland	* Esophagus	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-12+13]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 512	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31273

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 513	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 628
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Esophagus

OBSERVATIONS

* Adrenal Cortex		Osteosarcoma	Metastatic (Bone)
* Bone		Osteosarcoma	
[Osteosarcoma TGLS = 8-14]			
* Heart			
Note: "Mottled pale" atrium noted at necropsy was not abnormal microscopically.			
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Fatty, Moderate
		Osteosarcoma	Metastatic (Bone)
[Degeneration TGLS = 12-4]			
[Osteosarcoma TGLS = 13,14-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
	Mediastinum	Osteosarcoma	Metastatic (Bone)
		Osteosarcoma	Metastatic (Bone)
[Osteosarcoma TGLS = 4,5-3+3A]			
* Lym Node Mand			
Note: "Enlarged, 2-4 mm dia, multiple, dark" lymph nodes were not abnormal microscopically.			
Lymph Node	Renal	Hemorrhage	Mild
[Hemorrhage TGLS = 15-13]			
* Lymph Node, Mediastinal		Hemorrhage	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 513	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 628
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31274

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 6-2]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-8]			
* Spleen		Osteosarcoma	Metastatic (Bone)
[Osteosarcoma TGLS = 10,11-12]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Bone Osteosarcoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 514	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 652
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 514	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 652
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31275

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
	Olfactory Epi	Metaplasia	Mild
		Thrombosis	Minimal
* Pancreas		Atrophy	Mild
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hyperplasia TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 515	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 700
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Uterus

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Degeneration	Fatty, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Angiectasis TGLS = 14-13]			
[Basophilic Focus TGLS = 4,5-16+15]			
[Eosinophilic Focus TGLS = 15-14]			
[Leukemia Mononuclear TGLS = 12,13-18+17]			
* Lung	Alveolar Epith	Hyperplasia	Marked
		Leukemia Mononuclear	
[Hyperplasia TGLS = 1,10-3+12]			
Lymph Node	Iliac	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 515	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 700
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31276

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 11-23]			
[Leukemia Mononuclear TGLS = 8-22]			
[Leukemia Mononuclear TGLS = 7-21]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 17-7]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 16-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 18-19]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 6-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2,3-4]			
* Stomach, Forestomach		Leukemia Mononuclear	
		Necrosis	Moderate
[Necrosis TGLS = 19-20]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 516	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 1-3A+12]			
Lymph Node	Renal	Pigmentation	Mild
[Pigmentation TGLS = 4-14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Accessory Spleen	
Note: "Nodule, 2mm dia, dark" noted at necropsy may have been a developmental malformation.			
[Accessory Spleen TGLS = 3-13]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 517	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 715
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone		Hyperostosis	Mild
* Kidney		Nephropathy	Mild
* Liver		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-4]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-12]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 518	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 518
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Parathyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	Marked
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Degeneration	Fatty, Mild
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Hepatodiaphragmatic Nodule TGLS = 12-4]			
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
[Leukemia Mononuclear TGLS = 10-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 518	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 518
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31279

ORGAN AND ACCOUNTABLE SITE STATUS

	Fat	Necrosis	Mild
[Leukemia Mononuclear TGLS = 8-16]			
[Necrosis TGLS = 3-15]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Olfactory Epi	Metaplasia	Mild
		Thrombosis	Mild
* Ovary		Cyst	Mild
		Leukemia Mononuclear	
[Cyst TGLS = 4,5-7]			
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Skin		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-13]			
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 518	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 518
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31279

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6,7-8]

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 519	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 658
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-16]			
* Heart			
Note: "Focus, 0.5 cm diam, pale" noted at necropsy was not apparent microscopically.			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Degeneration	Fatty, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,8-15+13]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 519	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 658
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31280

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 9-17]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
		Thrombosis	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-11]			
[Leukemia Mononuclear TGLS = 4-11]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 10-8+14]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 520	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
* Mammary Gland		Carcinoma	
		Fibroadenoma	
		Galactocele	Moderate
[Carcinoma TGLS = 2-13]			
[Fibroadenoma TGLS = 3-14]			
[Galactocele TGLS = 1-12]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 520	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31281

ORGAN AND ACCOUNTABLE SITE STATUS

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

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 521	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 547
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	Vagina

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 5-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Hyperplasia TGLS = 1,2-3A+3]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Minimal
	Lateral Wall	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 521	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 547
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31282

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
		Thrombosis	Mild
* Ovary		Cyst	Mild
[Cyst TGLS = 4-7]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hyperplasia TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 7-8]			
Vagina			
Note: "Cyst, .5cm dia, fluid-filled, cloudy" was not apparent microscopically.			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 522	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 547
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	Lymph Node	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Intestine Large, Rectum		Leiomyosarcoma	
[Leiomyosarcoma TGLS = 6,9-14+16]			
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
[Inflammation TGLS = 1-3]			
Lymph Node			
Note: "Enlarged, 2x4mm, mottled" renal lymph node noted at trim was within normal limits microscopically.			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 5-13]			
* Nose	Lateral Wall	Adenoma	
	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 522	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 547
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31283

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leiomyosarcoma	Metastatic (Intestine Large, Rectum)
* Uterus		Leiomyosarcoma	Metastatic (Intestine Large, Rectum)
[Leiomyosarcoma TGLS = 7-19]			
Vagina		Leiomyosarcoma	Metastatic (Intestine Large, Rectum)
		Polyp	
Note: Neoplasm actually involved vagina by extension, not metastasis.			
[Polyp TGLS = 8-15]			

PRIMARY CAUSE OF DEATH - Intestine Large, Rectum Leiomyosarcoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 523	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 670
	DOSE: 8.0 PPM	**DISP:** Natural Death	**HISTO:** 31284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Intestine Large, Cecum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Pituitary Gland
* Thyroid Gland			

OBSERVATIONS

* Bone		Hyperostosis	Mild
* Heart		Cardiomyopathy	Minimal
Note: "Enlarged, 1.5x1 cm, dark" right atrium was filled with blood and was not abnormal.			
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 4-12]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-13]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 523	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 670
	DOSE: 8.0 PPM	**DISP:** Natural Death	**HISTO:** 31284

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Metaplasia	Mild
* Parathyroid Gland		Hyperplasia	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 524	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 522
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

INSUFFICIENT TISSUE

* Skin

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-12]			
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-4]			

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 525	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 3,4-14+13]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 525	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31286

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma
[Adenoma TGLS = 1-8]		
* Spleen		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 2-12]		
* Thyroid Gland	C Cell	Adenoma
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 526	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 694
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 4-10]			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Parasite Metazoan	
* Intestine Small, Ileum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 526	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 694
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31287

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Minimal
* Ovary		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-4]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 527	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 606
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-12]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 528	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 693
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31289

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Parathyroid Gland	* Skin	* Thymus	* Trachea

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone		Hyperostosis	Marked
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Int Lg Cecum			
Note: "Red" Peyers patches noted at necropsy were normal microscopically.			
* Int Sm Ileum			
Note: "Red" Peyers patches noted at necropsy were normal microscopically.			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Fatty, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-12]			
* Nose	Olfactory Epi	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 528	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 693
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31289

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Mild
		Thrombosis	Moderate
* Ovary		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Angiectasis	Marked
		Leukemia Mononuclear	
[Angiectasis TGLS = 1-8]			
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Stomach, Forestomach		Necrosis	Mild
* Stomach, Glandular		Necrosis	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 529	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31290

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Hyperostosis	Mild
* Intestine Small, Jejunum		Adenocarcinoma	
[Adenocarcinoma TGLS = 5-14+15]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 2-4]			
* Lymph Node, Mesenteric		Hemorrhage	Marked
[Hemorrhage TGLS = 4-12]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-13]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 529	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31290

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
[Angiectasis TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 530	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 546
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

Eye	Retina	Atrophy	Moderate
		Cataract	Moderate
[Cataract TGLS = 1-11]			
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 5-4]			
[Mixed Cell Focus TGLS = 6-13]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Marked
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Minimal
* Ovary		Granulosa Cell Tumor Benign	
[Granulosa Cell Tumor Benign TGLS = 7-7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 530	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 546
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31291

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Skin			
Note: "Mass, 1.5cm dia, pale" noted at trim was normal mammary gland.			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 531	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Olfactory Epi	Metaplasia	Minimal
Oral Mucosa	Pharyngeal	Hyperplasia	Squamous, Marked
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 531	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31292

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 2-4]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 532	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Intestine Large, Rectum		Fibroma	
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 533	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 694
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Moderate
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-12]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 534	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Parathyroid Gland	* Skin	* Trachea	

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone		Hyperostosis	Marked
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-12]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1,2-7+14]			
* Nose	Olfactory Epi	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 534	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31295

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Olfactory Epi	Fibrosis	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Mild
* Ovary		Cyst	Mild
		Leukemia Mononuclear	
[Cyst TGLS = 6-7]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Stomach, Forestomach		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-8+13]			
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 535	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Esophagus	* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone			
Note: "Nodule, 1x2mm, dark, hard" noted at necropsy was not apparent microscopically.			
* Bone Marrow		Hyperplasia	Histiocytic, Mild
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-12]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Moderate
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 535	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31296

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Stom Gland			
Note: "Nodule, 4x5mm dia" noted at necropsy was not apparent microscopically.			
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 536	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 589
	DOSE: 8.0 PPM	**DISP:** Natural Death	**HISTO:** 31297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 536	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 589
	DOSE: 8.0 PPM	**DISP:** Natural Death	**HISTO:** 31297

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hemorrhage	Moderate
		Leukemia Mononuclear	
[Hemorrhage TGLS = 2-12]			
[Leukemia Mononuclear TGLS = 1-13]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 537	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-12]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-13]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Minimal
	Lateral Wall	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pancreas		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 537	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31298

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 2-8]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 538	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 6-13]			
[Hepatodiaphragmatic Nodule TGLS = 5-12]			
[Mixed Cell Focus TGLS = 7-14]			
* Mammary Gland		Fibroadenoma	Multiple
Note: "Skin, SQ groin, mass, .5x1cm, pale" noted at trim was normal mammary gland.			
[Fibroadenoma TGLS = 1,2-16+17]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 3-18]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 538	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31299

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 9-8]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 539	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 679
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 2-13]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Minimal
	Olfactory Epi	Fibrosis	Minimal
	Lateral Wall	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Adenoma	
Tongue			
Note: "Lesion, 1mm dia" was not apparent microscopically.			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 540	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 679
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Parathyroid Gland
* Skin	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone		Hyperostosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3+3A]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 540	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 679
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31301

ORGAN AND ACCOUNTABLE SITE STATUS

	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Stomach, Forestomach		Leukemia Mononuclear	
		Necrosis	Moderate
* Stomach, Glandular		Leukemia Mononuclear	
		Necrosis	Moderate
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 541	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	* Uterus
Vagina			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 6,7,8-4+12]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-15+16]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Marked
	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 541	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31302

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Stomach, Glandular		Necrosis	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Vagina			
Note: "Mass, 4mm diam, firm, pale" noted at trim was normal vaginal mucosa & wall.			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 542	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 616
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3,4-4]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Moderate
	Respirat Epith	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 543	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-4]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 544	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Esophagus	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 4-17]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
Note: "Focus, 2mm dia, dark" noted at necropsy was blood in normal hepatic vasculature.			
[Basophilic Focus TGLS = 7-4]			
[Mixed Cell Focus TGLS = 8-4]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-13+14+15+18+19]			
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 544	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31305

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma
[Adenoma TGLS = 3-8]		
* Thyroid Gland	C Cell	Carcinoma
* Uterus		Polyp Stromal
[Polyp Stromal TGLS = 5-12]		
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 545	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-12]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 4-13]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Marked
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 545	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31306

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder	Transit Epithe	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 547	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1,2-13+12]			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Moderate
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
* Ovary		Cyst	Moderate
[Cyst TGLS = 5-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4,7-8+1]			
* Spleen			
Note: "Enlarged, 4.6x1cm" spleen noted at necropsy was within normal limits microscopically.			
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 3-2]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 547	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31308

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 548	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Moderate
* Bone		Hyperostosis	Mild
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 6-12]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Moderate
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Moderate
[Cyst TGLS = 2-8]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 3-15]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 548	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31309

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus [Polyp Stromal TGLS = 5-13]	Polyp Stromal
PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 549	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lymph Node, Bronchial	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Hyperplasia TGLS = 2-12]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 549	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 8.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31310

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-13]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 550	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 595
	DOSE: 8.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
Note: "Nodule, 2mm dia, pale" noted at necropsy was not apparent microscopically.			
[Mixed Cell Focus TGLS = 3-12]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Respirat Epith	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 701	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone		Hyperostosis	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-12]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
[Hyperplasia TGLS = 2-3A]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 701	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31162

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 702	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 715
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Spleen	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 7-5]			
* Liver		Degeneration	Fatty, Moderate
[Degeneration TGLS = 8-4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-12]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Marked
	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 702	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 715
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31163

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen			
Note: "Small, 2.5x1cm" spleen noted at necropsy was within normal limits microscopically.			
* Stomach, Forestomach		Necrosis	Marked
[Necrosis TGLS = 9-8]			
* Stomach, Glandular		Necrosis	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

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

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 703	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 8-5]			
* Liver		Angiectasis	Mild
		Degeneration	Fatty, Mild
		Hepatodiaphragmatic Nodule	
[Angiectasis TGLS = 6-4]			
[Hepatodiaphragmatic Nodule TGLS = 7-12]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
[Hyperplasia TGLS = 11-3A]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,9,10-15+13+14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 703	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31164

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Stomach, Forestomach		Necrosis	Marked
[Necrosis TGLS = 5-8]			
* Stomach, Glandular		Necrosis	Minimal
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 704	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 4-7]			
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Moderate
	Respirat Epith	Hyperplasia	Moderate
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 704	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31165

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Adenoma
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 705	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 670
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
* Uterus			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone		Hyperostosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 8-5]			
* Liver		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2,3-17+16]			
[Leukemia Mononuclear TGLS = 9-15]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7+13]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 705	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 670
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31166

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 4-8]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 6-12]			
[Leukemia Mononuclear TGLS = 5-12]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 11-8]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 706	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 707
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Moderate
* Liver		Angiectasis	Minimal
		Basophilic Focus	
[Angiectasis TGLS = 5-12]			
[Basophilic Focus TGLS = 4-4]			
* Mammary Gland		Galactocele	Mild
Note: "Mesentery, fat, mass, 1cm dia, mottled" noted at necropsy was actually mammary gland in subcutaneous fat.			
[Galactocele TGLS = 1-13]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Marked
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 706	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 707
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31167

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-8]			
* Stomach, Glandular		Necrosis	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 707	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Minimal
* Clitoral Gland	Bilateral	Carcinoma	
[Carcinoma TGLS = 3-7+14]			
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[Nephropathy TGLS = 7-5]			
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Angiectasis TGLS = 6-4]			
[Mixed Cell Focus TGLS = 5-13]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
Lymph Node	Renal	Hemorrhage	Mild
[Hemorrhage TGLS = 8-16]			
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
[Fibroadenoma TGLS = 2-15]			
[Galactocele TGLS = 9-17]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 707	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31168

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-4+12]			
* Stomach, Forestomach		Necrosis	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 708	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 438
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Fatty, Minimal
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 6-4]			
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3+3A]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Marked
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 708	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 438
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31169

ORGAN AND ACCOUNTABLE SITE STATUS

	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
* Ovary		Leukemia Mononuclear	
* Pancreas		Atrophy	Moderate
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 709	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Moderate
* Liver		Angiectasis	Minimal
		Basophilic Focus	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 3,4-13+12]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Marked
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Salivary Glands		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 709	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31170

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 710	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Ovary
* Pancreas	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			
* Lung		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-14]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Marked
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 710	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31171

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Moderate
* Parathyroid Gland		Adenoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 3-8]			
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 711	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 518
	DOSE: 32.0 PPM	**DISP:** Natural Death	**HISTO:** 31172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Nose
* Thyroid Gland			

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Clitoral Gland		Adenoma	
* Kidney		Nephropathy	Mild
* Lung			
Note: "Focus, 3mm dia, pale" noted at necropsy was not apparent microscopically.			
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 3-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 712	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 712
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Hyperostosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 7-5]			
* Liver		Basophilic Focus	
		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
Note: "Deformity, 2x1 mm, red" noted at necropsy was not apparent microscopically.			
[Basophilic Focus TGLS = 5-4]			
[Degeneration TGLS = 3-4]			
[Leukemia Mononuclear TGLS = 6,9-12+4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-15]			
[Leukemia Mononuclear TGLS = 8-13]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 712	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 712
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31173

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 11-14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Minimal
		Leukemia Mononuclear	
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Minimal
		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-16]			
* Stomach, Glandular		Necrosis	Moderate
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 713	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 712
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 10-7]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 7-5]			
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 5,6-12+13]			
Lymph Node	Renal	Ectasia	Mild
[Ectasia TGLS = 9-14]			
* Mammary Gland		Fibroadenoma	
		Galactocele	Mild
[Fibroadenoma TGLS = 1-15]			
[Galactocele TGLS = 2-16]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 713	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 712
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31174

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Moderate
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
* Ovary			
Note: "Ovary, enlarged, 5mm dia, mottled, pale" was within normal limits microscopically.			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Skin	Tail	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 8-17]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 714	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 518
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Clitoral Gland	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Mild
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 714	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 518
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31175

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-4]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 715	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 686
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Ovary
* Parathyroid Gland	* Salivary Glands	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Uterus		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 6-14]			
* Heart		Leukemia Mononuclear	
* Int Sm Duoden			
Note: The nature of the "deformity, 4mm dia" noted at necropsy was not apparent microscopically.			
* Kidney	Renal Tubule	Adenoma	
		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 7-5]			
* Liver		Degeneration	Fatty, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 715	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 686
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31176

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Carcinoma	
		Galactocele	Mild
		Hyperplasia	Atypical, Mild
[Carcinoma TGLS = 6-14]			
[Galactocele TGLS = 1-15]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Mild
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 2-8]			
* Skin	Subcut Tiss	Necrosis	Moderate
Note: TGL 9 was an area of fat necrosis.			
[Necrosis TGLS = 9-16]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-13]			
[Leukemia Mononuclear TGLS = 3-12]			
* Stomach, Forestomach		Necrosis	Moderate
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 716	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Angiectasis TGLS = 3-12]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-15+13+14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 716	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31177

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 717	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Mammary Gland		Carcinoma	Multiple
		Fibroadenoma	Multiple
Note: Other carcinoma was in slide 12.			
[Carcinoma TGLS = 3-14]			
[Fibroadenoma TGLS = 1,2-12+13]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Marked
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Marked
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 718	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 711
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain			
Note: "Dilatation" noted at trim was secondary to pituitary tumor.			
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Fatty, Marked
[Degeneration TGLS = 9,10,11-15+14+13]			
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 8-3A]			
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
[Carcinoma TGLS = 3-20]			
[Fibroadenoma TGLS = 4-16]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Marked
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 718	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 711
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31179

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-8]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-19]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 12-17+8]			
* Stomach, Glandular		Necrosis	Moderate
[Necrosis TGLS = 13-18]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 7-12]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 719	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 525
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Thymus

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Marked
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Tail	Hyperkeratosis	Minimal
[Hyperkeratosis TGLS = 2-12]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Sarcoma Stromal	
[Sarcoma Stromal TGLS = 1-13]			

PRIMARY CAUSE OF DEATH - Uterus Sarcoma Stromal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 720	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 665
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Clitoral Gland	* Lymph Node, Mandibular	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Histiocytic Sarcoma	
* Adrenal Medulla		Histiocytic Sarcoma	
* Brain		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 3-1]			
Eye			
Note: "Focus, .2x.2 cm, dark" noted at trim was artifact (blood in anterior chamber).			
* Kidney		Histiocytic Sarcoma	
		Nephropathy	Mild
[Nephropathy TGLS = 7-5]			
* Liver		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 4,5-4]			
* Lung		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 2-3+3A]			
* Lymph Node, Bronchial		Histiocytic Sarcoma	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13+14]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 9-12]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Marked
	Olfactory Epi	Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 720	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 665
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31181

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Moderate
	Respirat Epith	Metaplasia	Squamous, Minimal
		Thrombosis	Moderate
* Ovary		Cyst	Minimal
[Cyst TGLS = 8-7]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 6-4]			
* Stomach, Forestomach		Necrosis	Moderate
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Liver Histiocytic Sarcoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 721	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 642
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
[Leukemia Mononuclear TGLS = 5-15]			
* Liver		Basophilic Focus	
		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3+3A]			
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-21]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-16]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 13-19]			
Mesentery		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 721	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 642
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31182

ORGAN AND ACCOUNTABLE SITE STATUS

	Fat	Necrosis	Mild
[Necrosis TGLS = 4-20]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
	Olfactory Epi	Metaplasia	Mild
* Ovary		Cyst	Mild
[Cyst TGLS = 12-7]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2,3,11-13+14]			
* Stomach, Forestomach		Necrosis	Moderate
[Necrosis TGLS = 14-17+8]			
* Stomach, Glandular		Leukemia Mononuclear	
		Necrosis	Moderate
[Necrosis TGLS = 15-18]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Hyperplasia	Squamous, Moderate
[Hyperplasia TGLS = 9-12]			
* Uterus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 722	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Uterus

MISSING

* Clitoral Gland	* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Kidney		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
		Mixed Cell Focus	
		Necrosis	Mild
[Leukemia Mononuclear TGLS = 4-4]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-12]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Marked
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 722	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 735
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31183

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Cyst	Moderate
		Sertoli Cell Tumor Benign	
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder	Transit Epithe	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 723	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2,3-13+12]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Marked
	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 723	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31184

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 4-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-14]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 724	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Parasite Metazoan	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Marked
	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 724	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31185

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-8]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 725	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mediastinal	* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Bone		Osteosarcoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
[Degeneration TGLS = 3-4]			
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 725	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31186

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 726	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 597
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Marked
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Marked
	Respirat Epith	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 726	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 597
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31187

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Suppurative, Moderate
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
		Thrombosis	Moderate
* Ovary		Cyst	Moderate
		Leukemia Mononuclear	
[Cyst TGLS = 4-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Skin			
Note: "Yellow" subcutaneous fat noted at necropsy was from icterus secondary to leukemia.			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Stomach, Forestomach		Necrosis	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 727	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 599
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12+13+14]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Respirat Epith	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Marked
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 1-8]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 728	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 497
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-13+14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 728	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 497
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31189

ORGAN AND ACCOUNTABLE SITE STATUS

	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Marked
		Leukemia Mononuclear	
	Olfactory Epi	Metaplasia	Mild
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 729	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 581
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
		Regeneration	Marked
[Leukemia Mononuclear TGLS = 6-4]			
[Regeneration TGLS = 5-14]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
	Lateral Wall	Metaplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 729	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 581
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31190

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Metaplasia	Minimal
* Ovary		Cyst	Minimal
[Cyst TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 730	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 6-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-4+13]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 7-15]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-14]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Marked
	Olfactory Epi	Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 730	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31191

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Marked
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Moderate
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Skin	Tail	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-12]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 731	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 616
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Marked
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 732	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 429
	DOSE: 32.0 PPM	**DISP:** Natural Death	**HISTO:** 31193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx
* Liver	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Kidney		Nephropathy	Mild
Mesentery		Sarcoma Stromal	Metastatic (Uterus)
[Sarcoma Stromal TGLS = 1-13]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Respirat Epith	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
* Uterus		Sarcoma Stromal	
[Sarcoma Stromal TGLS = 2,3-12+14]			

PRIMARY CAUSE OF DEATH - Uterus Sarcoma Stromal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 733	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone		Hyperostosis	Marked
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 7-5]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-4]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Mediastinum	Inflammation	Granulomatous, Moderate
		Leukemia Mononuclear	
[Inflammation TGLS = 1,11-3]			
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-16]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6+15]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-14]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 733	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31194

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Moderate
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Moderate
	Respirat Epith	Hyperplasia	Moderate
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Moderate
	Respirat Epith	Metaplasia	Squamous, Minimal
* Ovary		Cyst	Mild
[Cyst TGLS = 5-13]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-12]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 734	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 302
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Liver	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Intestine Large, Cecum		Parasite Metazoan	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Lateral Wall	Hyperplasia	Moderate
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth		Degeneration	Marked
[Degeneration TGLS = 1-9]			

PRIMARY CAUSE OF DEATH - Tooth Degeneration

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 735	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 693
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Uterus		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver		Degeneration	Fatty, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Marked
	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 735	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 693
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31196

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Marked
		Leukemia Mononuclear	
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Stom Forestom			
Note: "Nodule, 3mm dia, pale" noted at trim was not apparent microscopically.			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 736	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 689
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Fatty, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 7-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3+3A]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 736	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 689
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31197

ORGAN AND ACCOUNTABLE SITE STATUS

	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Mild
		Thrombosis	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 6-13]			
[Leukemia Mononuclear TGLS = 5-12]			
* Stomach, Forestomach		Necrosis	Moderate
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 737	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 639
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland	* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Degeneration	Fatty, Minimal
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 737	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 639
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31198

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Moderate
	Respirat Epith	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-13]			
* Thymus		Leukemia Mononuclear	
Tongue		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 1-12]			

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Tongue	Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 738	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 621
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Moderate
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2,3-12]			
* Kidney		Cyst	Moderate
		Nephropathy	Marked
[Cyst TGLS = 6-5]			
[Nephropathy TGLS = 5-5]			
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 7-4]			
* Lymph Node, Mediastinal		Hemorrhage	Moderate
[Hemorrhage TGLS = 10-2]			
* Mammary Gl			
Note: "Mass, .5cm dia, pale" noted at necropsy was normal mammary gland.			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 738	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 621
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31199

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Metaplasia	Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Stom Gland			
Note: "Focus, 2mm dia, dark (2)" noted at trim actually involved forestomach.			
* Stomach, Forestomach		Necrosis	Marked
[Necrosis TGLS = 11-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus			
Note: "Cyst, 4x8mm" noted at necropsy was actually in connective tissue adjacent to uterus and was probably a dilated lymphatic vessel.			

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

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 739	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 638
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Uterus	

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 6-5]			
* Liver		Degeneration	Fatty, Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 4,5-13+12]			
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-15]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Mild
Note: "Mass, 2.5x1cm" noted at necropsy was normal mammary gland.			
[Galactocele TGLS = 2-14]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 739	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 638
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31200

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Minimal
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Minimal
		Leukemia Mononuclear	
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
		Thrombosis	Mild
* Ovary		Cyst	Mild
		Leukemia Mononuclear	
[Cyst TGLS = 8-7]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 1-8]			
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 740	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mandibular	* Mammary Gland
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal

OBSERVATIONS

* Bone		Inflammation	Chronic, Moderate
[Inflammation TGLS = 1-13]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 740	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31201

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
[Inflammation TGLS = 4-12]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 741	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-7]			
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-16]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Marked
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 741	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31202

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Mild
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Leiomyosarcoma	
[Leiomyosarcoma TGLS = 5-14+15]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 742	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 478
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mediastinal	* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2,3,5-13+12+4]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Marked
	Respirat Epith	Degeneration	Hyaline, Minimal
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Minimal
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 742	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 478
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31203

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 743	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 671
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Fatty, Moderate
[Degeneration TGLS = 2-4]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Marked
	Respirat Epith	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Stomach, Forestomach		Necrosis	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 743	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 671
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31204

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 744	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 560
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Rectum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Parathyroid Gland	* Salivary Glands	* Trachea	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
* Intestine Large, Colon		Leukemia Mononuclear	
* Intestine Small, Duodenum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Intestine Small, Ileum		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Marked
	Olfactory Epi	Fibrosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 744	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 560
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31205

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Minimal
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Moderate
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Skin	Tail	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 8-12]			
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]			
* Stomach, Glandular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6,9-8+13]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 745	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 721
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Larynx
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Clitoral Gland	* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
		Necrosis	Mild

Note: "Nodule, 4mm dia" noted at necropsy was variation on normal lobar morphology.
[Mixed Cell Focus TGLS = 5-4]
[Necrosis TGLS = 6-4]

* Mammary Gland		Carcinoma	
		Fibroadenoma	

[Carcinoma TGLS = 8-19+20+21]
[Fibroadenoma TGLS = 3-18]

* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 745	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 721
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31206

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Moderate
	Lateral Wall	Metaplasia	Squamous, Mild
	Olfactory Epi	Metaplasia	Moderate
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Skin	Subcut Tiss	Fibroma	
	Tail	Inflammation	Chronic Active, Minimal
[Fibroma TGLS = 2-15+16+17]			
[Inflammation TGLS = 1-14]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 9-13]			

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 746	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 632
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Larynx
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Necrosis	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 4-7]			
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 8-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-3+3A]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 9,10-13+14]			
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Marked
	Olfactory Epi	Fibrosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 746	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 632
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31207

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands	Hyperplasia	Marked
	Lateral Wall	Hyperplasia	Marked
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Moderate
		Thrombosis	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 5-8]			
* Salivary Glands		Necrosis	Moderate
* Skin		Hyperkeratosis	Moderate
[Hyperkeratosis TGLS = 3-15]			
* Spleen		Accessory Spleen	
		Leukemia Mononuclear	
[Accessory Spleen TGLS = 7-12]			
[Leukemia Mononuclear TGLS = 6-12]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 747	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 526
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3A]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Hyaline, Marked
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Moderate
	Lateral Wall	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 747	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 526
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31208

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Hyperplasia	Moderate
	Respirat Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Moderate
* Ovary		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2,3-12]			
* Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 748	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 706
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mediastinal	* Mammary Gland	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Liver		Degeneration	Fatty, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Marked
	Olfactory Epi	Fibrosis	Minimal
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 748	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 706
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31209

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-11]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 749	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Ovary
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Clitoral Gland	* Lymph Node, Bronchial

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 7-4]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hyperplasia TGLS = 3-3+3A]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-12]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 749	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 736
	DOSE: 32.0 PPM	**DISP:** Terminal Sacrifice	**HISTO:** 31210

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1,5-13+14+15+16+17+18]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Mild
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Marked
	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Moderate
	Lateral Wall	Metaplasia	Squamous, Minimal
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Metaplasia	Hepatocyte, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 4-8]			
* Skin	Tail	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 8-19]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-12]			
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 750	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 658
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Kidney	Renal Tubule	Hyperplasia	Moderate
		Nephropathy	Moderate
* Liver		Basophilic Focus	
Note: "Left, nodule, 3mm dia, pale, 2" noted at trim was not apparent microscopically.			
* Lung		Foreign Body	
		Inflammation	Granulomatous, Marked
[Inflammation TGLS = 3,4-3A+3+12]			
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Degeneration	Hyaline, Moderate
	Olfactory Epi	Fibrosis	Mild
	Glands	Hyperplasia	Mild
	Lateral Wall	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Minimal
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Mild
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 750	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 658
	DOSE: 32.0 PPM	**DISP:** Moribund Sacrifice	**HISTO:** 31211

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Stomach, Glandular		Necrosis	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

** END OF REPORT **

* PROTOCOL REQUIRED TISSUE